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ABSTRACT

Designed to provide descriptions of computing activities in Florida's school districts, postsecondary institutions, and the State Department of Education (DOE), this report is organized into activities at four levels--K-12, community college, university, and DOE. Information gathered from a majority of Florida's 67 school districts is divided into the following categories: (1) the district; (2) the name of the contact person and his/her title, address and phone number; (3) instructional and administrative uses of microcomputers with corresponding grade levels and brands of computer used; and (4) a brief description of the district's instructional and administrative uses for computers. Information for computing activities at community colleges, universities, and the DOE includes: the name of the institution, or office; the name, title, address, and telephone number of the contact person; and a brief description of that agency's instructional and administrative utilization of computer technology. A list of instructional computing contacts for Florida's school districts, colleges/universities, and community colleges is also provided, as well as computing contacts for exceptional education. (JB)

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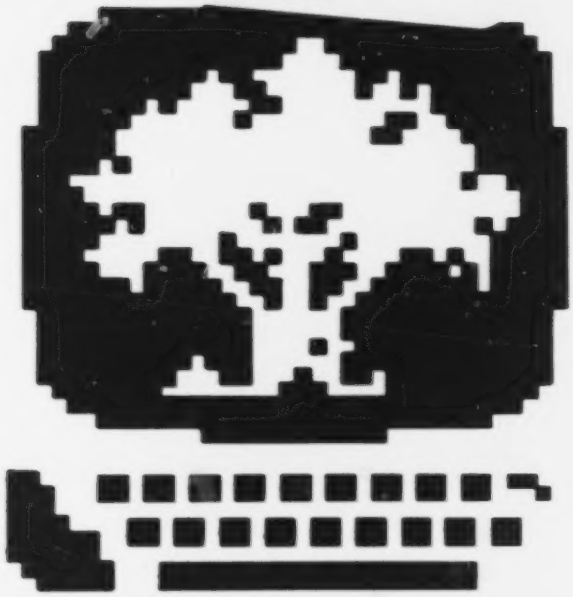

Florida Computing Activities 1986

IR012175

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FLORIDA COMPUTING ACTIVITIES 1986

(Distributed at the Sixth Annual
Florida Instructional Computing
Conference, Orlando, Jan. 21-24)

Forward

Florida Computing Activities provides descriptions of computing activities in school districts, post-secondary institutions and the state Department of Education (DOE). Instructional computing contact persons throughout the state submitted descriptions voluntarily.

Included are summaries from the majority of Florida's 67 school districts, plus a number of community colleges, universities and offices within the DOE.

Also included is a list of people designated as instructional computing contacts for each district, community college and university. For further information, contact:

Florida Department of Education
Educational Technology Section
Knott Building
Tallahassee, Florida 32301
(904)488-0980

DISTRICT : Alachua
CONTACT : Jim Moffett
TITLE : Director of Instructional Technology
ADDRESS : 716 NW 10th Street
CITY/ZIP : Gainesville, Florida 32601
PHONE : 904 373-5192

INSTRUCTIONAL USES	GRADE LEVEL	BRAND OF COMPUTERS USED
Computer Literacy	K-5, 7-8, 11-12	MC-10, Color Comp., TRS-80 Mod III/IV
Computer Programming	9th -- 12th	Mod III/IV, Mainframe MUSIC
Reading/Lang. Arts	Chap. I--Elem., Mid.	TRS-80 Color Computer
Science	High School Explor.	Apple IIe and TRS-80 Mod III/IV
Mathematics	"	
Social Studies	"	
Art	"	
Tool (Word Proc., Data Base)	9th -- 12th	TRS-80 Mod III/IV
Vocational Education	7th -- 12th	TRS-80 Mod III/IV
Exceptional Education	H.I. and P.I.	Apple IIe

BRIEF DESCRIPTION (Elementary, Middle, High School):
At the elementary school level a new unit is being implemented called GO-2 A K-5 Computer Curriculum. This unit is structured around the SSAT proposed computer literacy standards. At the elementary and middle school level, Chapter I classes are using computers and a variety of commercial and locally written programs for drill and practice in math and language arts. Computer labs have been installed in all eight schools which have grades 7 & 8 to enable students to gain experience in actual computer operation. A 20-hour "computer literacy" unit is being taught at each middle school as part of the vocational exploration course. Each high school now has 2 computer labs containing a total of 30+ computers. The labs are used to teach programming courses, vocational courses and also general curriculum exploration. District wide, 1 out of every 7 high school students is enrolled in a computer course. One lab in each high school is equipped with 3-5 dedicated and 5+ dial up terminals for accessing the Mainframe--McGill University System for Interactive Computing and the five languages it has available.

ADMINISTRATIVE USES	LEVEL	BRAND OF COMPUTERS USED
School Internal Accounts	All	IBM PCXT
Property Recrds Inventory	Exploratory	IBM PCXT / TRS-80 Mod III/IV
Textbook Inventory	Exploratory	IBM PCXT
Media Cntr Management	3 schools E/M/H	TRS Mod III, Hard disk, Barcode
Ginn Reading Program Mgt	Elementary, Middle	IBM PCXT
Instructional Mgt	Elementary	IBM PCXT / Mod III/IV

BRIEF DESCRIPTION (Elementary, Middle, Secondary):
The School Board of Alachua County now operates its own data processing center, the "Information Resources Department". This department has organized all schools into an administrative computing network. Each school and many district departments are using IBM Personal Computers (PC-XT) to enter and access information on a central mainframe computer (IBM 4381). These units will also function without mainframe connection for such management tasks as wordprocessing, database management, and spreadsheet accounting.

K-12

District	:	Baker	
Name of Contact	:	Shirley Jasonek	
Title	:	Director of Instruction	
Address	:	392 South Blvd. East	Phone: (904) 259-6251
City/Zip	:	Macclenny, FL 32063	Suncom 620-5354

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	3-6, 9-12	Radio Shack Model 3 & 4
Computer Programming	9-12	
Reading/Language Arts	3-12	
Science	6-12	
Mathematics	3-12	
Social Studies	6-12	
Foreign Language		
Tool (word proc., data bases)	3-5, 7-12	
Business Education	7-12	
Other Vocational Education	7-8	
Exceptional Ed. (specify)	6-12	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary): We are using 4 mobile labs with students in grades 3 through 5. Each lab consists of 3 dual disk drive Model 4's or Model 3's and a printer connected with a 3-way switch. We are using the SPARK 80 Mathematics Program with students in grades 3-5 as well as some Reading and Language programs. Students in Grade 3 are working with developing keyboarding skills. Several teachers are also using basic word processing programs to create worksheets and tests for student use with highly satisfactory results. The Middle School has a computer lab consisting of 25 computers with a full-time, trained teacher aide. Classroom teachers determine the level of tutorial instruction and the aide follows through in the lab. A class in computer literacy and the basic elements of programming are taught by sixth grade teachers. Additional computers are utilized in SLD and vocational classrooms.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Secondary	Radio Shack
Student Attendance		
FTE Accounting		
Inventory Accounting		
Grade Reporting		
Student Records	All	Radio Shack TRS 80 Model 16
Media Management	Secondary	Apple IIe
Instructional Management		
Guidance/Counseling	Secondary	Radio Shack TRS 80 Model 4
Other (specify) Scheduling	Secondary	Radio Shack TRS 80 Model 4

Brief description (Elementary, Middle/Jr., Secondary): We are currently using Megasystems student data and schedule maintenance. The classifier is used for development of the master schedule and student scheduling.

District	:	Bay
Name of Contact	:	James L. Gautier
Title	:	Coordinator of Middle Schools
Address	:	P.O. Drawer 820
City/Zip	:	Panama City, FL 32402

K-12

Phone: (904) 769-1431 (O) 265-5845 (H
Suncom 290-1274

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	The Apple IIe is the most widely used micro computer for instructional purposes. The TRS 80 models III & IV, the Commodore 64 & Vic 20, the IBM P.C., and the Zenith 100 are also used
Computer Programming	9-12	
Reading/Language Arts	K-12	
Science	K-12	
Mathematics	K-12	
Social Studies	K-6 10-12	
Foreign Language		
Tool (word proc., data bases)	9-12 - post secondary	IBM Word Processer & Display Writer.
Business Education	9-12 - post secondary	
Other Vocational Education	7-12	
Exceptional Ed. (specify)	SLD, Deaf, Vision, EH/SED, EMH, Phy. Handicapped, Severe Speech & Language, Gifted	
Other (specify)	Comp. Ed. - Chapter I	

Brief description (Elementary, Middle/Jr., Secondary):
In the elementary schools, computers are used for computer literacy, computer assisted instruction and computer managed instruction.

In the junior high schools, computers are used primarily for computer literacy and computer assisted instruction.

The secondary schools provide a variety of activities that include computer literacy, computer programming, word processing, and advance placement computer science.

All elementary Chapter I schools and compensatory education classes have computer labs for instruction purposes.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	K-12	
Student Attendance	K-12	
FTE Accounting	K-12	
Inventory Accounting	K-12	
Grade Reporting	7-12	
Student Records	K-12	
Media Management	K-12	Apple IIe
Instructional Management	K-9	Apple IIe
Guidance/Counseling	7-12	Apple IIe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):
Internal accounts, student attendance, FTE accounting, inventory accounting, grade reporting, and student records are done at the central office on the mainframe computer. Schools are connected to the mainframe using the Telex or the IBM P.C. All media centers use the micro for media management. Instructional management, especially in reading, math, Chapter I, compensatory education and exceptional education are widely used.

District	:	04 - Bradford
Name of Contact	:	Dr. Steven F. Miller
Title	:	Coordinator, Computer Services
Address	:	582 N. Temple Ave.
City/Zip	:	Starke, Fl. 32091

K-12

Phone: (904) 964-6800
Suncom 620-5229

Instructional Uses	Grade Level			Brand and Model of Computer(s) Used
Computer Literacy	K-5	6-8	11-14	C-64 TRS-80 III - 4 IBM System 36
Computer Programming			9-12	C-64 TRS-80 III - 4
Reading/Language Arts	K-5	6-8		C-64
Science			9-12	Apple IIe
Mathematics			9-12	C-64 TRS-80 III - 4
Social Studies				
Foreign Language				
Tool (word proc., data bases)			9-12	TRS-80 III-4
Business Education		7-8	9-12	C-64 TRS-80 III-4
Other Vocational Education			9-12	Apple IIe
Exceptional Ed. (specify)				
Other (specify)				

Brief description (Elementary, Middle/Jr., Secondary):
There is a one-semester course in Computer Literacy open to all students.
There is a two-year sequence in Computer Programming.
The Science Department use Apple IIe computers in their courses with a variety of software packages.
The Mathematics Department uses the TRS-80's to reinforce mathematical skills.
Students are encouraged to use the word processing capabilities of the micro-computers on all written assignments.
The Home Economics Department uses the Apple IIe computers to reinforce economics and home management skills.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance		
FTE Accounting	9-12	C-64
Inventory Accounting	System Wide	IBM - system 36
Grade Reporting		
Student Records		
Media Management		
Instructional Management	9-12	C-64, TRS-80
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

District :Broward
Name of Contact :James Shannon
Title :Acting Supervisor
Address :Instructional Computing
City/Zip :6650 Griffin Road
Davie, FL 33314

Phone: (305) 765-6687
Suncom

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe
Computer Programming	6-12	Apple IIe
Reading/Language Arts	K-12	Apple IIe
Science	K-12	Apple IIe
Mathematics	K-12	Apple IIe
Social Studies	K-12	Apple IIe
Foreign Language	9-12	Apple IIe
Tool (word proc., data bases)	4-12	Apple IIe
Business Education	6-12	IBM PC and Apple IIe
Other Vocational Education	6-12	Apple IIe
Exceptional Ed. (specify)	All except profoundly MH	Apple IIe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Elementary - K-5 computer literacy program for all students.
All elementary teachers are being trained to deliver this instruction.
Extensive use of C.A.I.

Middle - Computer Literacy Unit - (6 - 9 weeks)
Graphics Unit - (6 - 9 weeks) Logo Unit - (6 - 9 weeks)
4 week course as part of VTAE Wheel Program.
Extensive use of C.A.I.

High - 6 courses - Introduction to Computer Literacy, Programming 1, Basic 1, Basic 2, Programming 2, and Advanced Placement Computer Science.
Extensive use of C.A.I.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	Apple IIe
Student Attendance	All	Apple IIe
FTE Accounting	All	Apple IIe
Inventory Accounting	All	Apple IIe
Grade Reporting	All	Apple IIe
Student Records	All	Apple IIe
Media Management	All	Apple IIe
Instructional Management	All	Apple IIe
Guidance/Counseling	All	Apple IIe
Other (specify)		
Word Processing	All	Apple IIe

Brief description (Elementary, Middle/Jr., Secondary):

There are in excess of 7,200 microcomputers in Broward County. We provide on-going inservice for all levels and applications.

District : CALHOUN COUNTY
Name of Contact : Dr. Andrew Boggs Ramsey
Title : Elementary Supervisor
Address : 725 Johns Street
City/Zip : Blountstown, Florida 32424

Phone: (904) 674-8734
Suncom

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe
Computer Programming		
Reading/Language Arts		
Science		
Mathematics	9-12	Apple IIe
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	9-12	IBM PC, Apple IIe, and TRS-80
Other Vocational Education	9-12, Agri	TRS-80
Exceptional Ed. (specify)	EMH and SLD	Apple IIe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Kindergarten - Grade 12 — Computer literacy program for all students

Grades 9 - 12
a. Two Computer lab courses
b. Computer integrated with Mathematic's instruction

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	None	
Student Attendance		
FTE Accounting		
Inventory Accounting		
Grade Reporting		
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

District : Charlotte
Name of Contact : Janet A. Williams
Title : Coordinator
Address : 1150 Education Ave.
City/Zip : Punta Gorda 33950
Phone: (813) 639-2121
Suncom 559-8011

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	4-9	Apple IIe
Computer Programming	1-3	TRS 80 color computer
Reading/Language Arts	4-12	Apple IIe - TRS80 model III & IV
Science	9-12	Apple IIe
Mathematics	4-12	"
Social Studies	9-12	"
Foreign Language	9-12	"
Tool (word proc., data bases)	4-12	"
Business Education	10-12	TRS 80 Model III & IV
Other Vocational Education	Adult	TRS 80 Model III
Exceptional Ed. (specify)	4-12	Apple IIe and II+ TI
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

County wide philosophy objectives and goals have been approved by the School Board for K-12 program. Emphasis this year continues to be placed on application uses of computer at both the elementary and secondary level. The importance of integration of computers into curriculum is being addressed through a comprehensive in-service training program for all teachers from Kindergarten to 8th grade.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Elem. k-6	TRS 80 Model 12 Apple MacIntosh
Student Attendance	"	" "
FTE Accounting	"	" "
Inventory Accounting	"	" "
Grade Reporting	"	" "
Student Records	"	" "
Media Management	K-12	Apple II+ & e "
Instructional Management	Elem. k-6	TRS 80 Model 12 "
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Three elementary schools are using TRS 80 Model 12 and E.A.S. Inc. Management software.

A majority of our media centers use an Apple for media management.

Administrators at secondary and county office level use the MacIntosh for newsletters, spread sheets and data-base management.

District : Citrus
Name of Contact : John H. Headlee
Title : Dir. Staff Dev. & Media Services
Address : 1507 West Main St.
City/Zip : Inverness, FL 32650
Phone: (904) 726-1931
Suncom 394-1011

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	3, 6, 7-8, 9-10, Adult	Apple IIe; IBM PC; TRS 80,,II & Color
Computer Programming	7-8, 10-12, Adult	Apple IIe; IBM PC; TRS 80,III & Color
Reading/Language Arts	3,6, Chapter I, ESE	Apple IIe; TRS Color
Science	3, 6, ESE	Apple IIe; TRS Color
Mathematics	3, 6, 12	Apple IIe; IBM PC; TRS Color
Social Studies	3, 6	Apple IIe
Foreign Language		
Tool (word proc., data bases)	3, 6-12	Apple IIe; IBM PC; TRS 80-III
Business Education	7-12	IBM PC; Apple IIe
Other Vocational Education	Ag 7-12	Apple IIe
Exceptional Ed. (specify)	K-12	Apple IIe, TRS Color
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Citrus County is a member of M.E.C.C. and used Apple Quadlinks in all IBM PC's to enable broad use of 150 copyable MECC Apple disks. Over 250 computers are used for instruction for 10,000 students.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	All	IBM AT, TRS-16
FTE Accounting	All	IBM AT, TRS-16
Inventory Accounting		
Grade Reporting	All	Apple IIe, IBM PC
Student Records	All	IBM AT, TRS-16
Media Management	All	Apple IIe, IBM XT, AT
Instructional Management	All	TRS 80-III, Apple IIe
Guidance/Counseling	Secretary	IBM XT
Other (specify)		
Fiscal Accounting	District	IBM System 38

Brief description (Elementary, Middle/Jr., Secondary):

Administrative applications, using the IBM-AT's are interfaced with Central Office IBM System 38 via modems using ESE management.

Booktrak & Circulation Plus are used for Media Management.

Project Basic, MMICRO, Holt Class I & II, and Scott Foresman Instructional Management Systems are used for State Minimum Skills in Math, Reading, Writing, Science, and Computer Literacy.

District : Clay County
Name of Contact : Nancy Leaderer and Richard Crump
Title : Supervisor of Elementary Curr./Supervisor of Secondary Curr.
Address : 900 Walnut Street
City/Zip : Green Cove Springs, Fl 32043
Phone: (904) 284-6500
Suncom 635-1465

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-5, ESE	TRS-80 Color, Apple IIe
Computer Programming	6-8, 9-12, ESE	TRS-80 Color, Apple IIe
Reading/Language Arts		
Science		
Mathematics	9-12	TRS-80 Model 3
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	9-12	TRS-80 Model 3
Other Vocational Education	7-12	TRS-80 Model 3
Exceptional Ed. (specify)	K-12	TRS-80 Model 3
Other (specify)	Speakers' Bureau	Data Point

Brief description (Elementary, Middle/Jr., Secondary):
In each of the elementary schools in Clay County we have a computer lab. The lab situation allows for hands-on experiences for all students from kindergarten - grade 5. We have a county adopted curriculum guide and computer steering committees in each school to guide teachers in the use of the computers.

In middle schools students are exposed to computer literacy through math classes and pre-vocational courses. The high schools offer courses to teach programming in the math and vocational departments. We are also currently involved in establishing a countywide service through our film library to copy software and increase the number of instructional programs available to our students (MECC).

In the future our emphasis will be on increasing and correlating software, increasing the number of Apple IIe computers, and in advancing the use of the computers into instructional are

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	Data Point	
FTE Accounting		
Inventory Accounting		
Grade Reporting		
Student Records		
Media Management	Selected Elem/M/HS	Apple IIe
Instructional Management	ESE, Chapter I, Elem. and	Apple IIe
Guidance/Counseling	High School.	Apple II
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):
Administrative uses of the Data Point system are numerous. Grade reporting (6-12), scheduling (6-12), student information (K-12), health records (K-12), purchasing, payroll, accounting, and finance are currently being handled this way.

Some librarians are currently involved in doing their inventory and check-out procedures by Apple IIe computer programs (Book Trak). Several elementary schools have been using the Apple IIe management program for our reading and mathematics series to enable them to score tests and prescribe enrichment or remediation work for students.

K-12

District : Collier County Public Schools
Name of Contact : John C. Klimek,
Title : Coordinator of Mathematics & Computer Education
Address : 3710 Estey Avenue
City/Zip : Naples, Fl. 33942
Phone: (813) 774-3460
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	1-12	Apple IIe
Computer Programming	7-12	
Reading/Language Arts	1-12	
Science	1-12	
Mathematics	1-12	
Social Studies	1-12	
Foreign Language	8-12	
Tool (word proc., data bases)	7-12	
Business Education	7-12	
Other Vocational Education	7-12	
Exceptional Ed. (specify)	K-12	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

At the elementary school level computers are used mainly for computer assisted instruction and computer literacy. At the middle and high school levels computers are used for computer assisted instruction, computer literacy, and computer programming. At the elementary school level, computers are placed in the classroom. At the middle and high school levels, computers are mainly placed in labs, with some being placed in the media centers and classrooms.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Sec	IBM PC- XT (40)
Student Attendance	all	IBM PC- AT (9)
FTE Accounting	all	
Inventory Accounting		
Grade Reporting	Sec	
Student Records	all	
Media Management		
Instructional Management	Elem.	
Guidance/Counseling	N/A	
Other (specify)	School Food Service - all	
Word Processor	all	

Brief description (Elementary, Middle/Jr., Secondary):

Locally developed student records for DOE/FIRN requirements.

District Columbia

K-12

Name of Contact James L. Yopp
Title Assistant Principal
Address P.O. Box 2129

City/Zip Lake City, Florida 32055

Phone: (904) 752-6122
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	4-5, 7-8	TRS-80, Model 4
Computer Programming	10-12	TRS-80, Model 4; Wang; Apple II+
Reading/Language Arts	4-5, 7-9	TRS-80, Model 4; Apple II
Science	4-5	TRS-80, Model 4
Mathematics	4-5, 7-9, 10-12	TRS-80, Model 4
Social Studies	4-5	TRS-80, Model 4
Foreign Language		
Tool (word proc., data bases)	10-12	Radio Shack (TRS-80); IBM
Business Education	10-12	TRS-80, Model 4
Other Vocational Education	7-9	TRS-80, Model 4
Exceptional Ed. (specify)	4-5,6, 7-9, 10-12	Radio Shack (TRS-80); Apple II+
Other (specify)	(Gifted, Handicapped)	

Brief description (Elementary, Middle/Jr., Secondary):

The Columbia County School System has a planned program for using the computers in many different educational applications. Classroom instruction begins in the fourth grade with computer literacy. Skills are enhanced each year through the seventh grade. Some computer literacy courses are offered in the secondary grades for those who need such.

Computer assisted instruction in several fields is offered in all grades above grade 4. This is not limited to remediation (although this is included), but finds application in the gifted programs of the system as well.

The secondary programs offer a wide application in vocational, business, remedial, and computer assisted instruction.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	Secondary	IBM
FTE Accounting		
Inventory Accounting	All	IBM
Grade Reporting	Secondary	IBM
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling	Secondary	Apple II
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Administrative applications of the computer are handled through an IBM System 34 located in the county school board offices. The school system is currently adding each of the schools into the system by a console at the individual campuses. Currently, schools from the sixth grade through twelfth grade are on line.

District: Dade
Name of Contact: Mrs. Marilyn Neff
Title: Director of Computer Education & Technology
Address: 1450 N.E. 2nd Avenue, Room 405
Phone: (305) 376-1939
City/Zip: Miami, 33132

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	
Computer Programming	4-12	
Reading/Language Arts	1-12	
Science	1-12	Apple IIe; Atari 800, 800XL; IBM PC, PCjr;
Mathematics	1-12	Radio Shack I, III, IV.
Social Studies	1-12	
Foreign language	7-12	
Tool (word proc., data bases)	4-12	
Business Education	9-12	Lanier LBP; IBM PC; Apple IIe;
Other Vocational Education	10-12	Radio Shack Model IV;
Exceptional Ed. (specify)	EH, LD, Gifted	Apple, Commodore
Other (specify)	(various levels)	

Brief Description (Elementary, Middle/Jr., Secondary): There are more than 5000 microcomputers in the Dade County Public Schools. At the elementary level, a major component is a Chapter 1-funded CAI program in reading and mathematics. In addition, the elementary curriculum encompasses computer awareness, literacy, and beginning programming experiences. At the junior high school level, there are courses in computer literacy, computer applications, and BASIC programming. At the senior high level, programming courses and various business-oriented courses such as office automation and data processing are stressed. Over 5,800 students are enrolled in vocational computer-related courses. Approximately 11,000 students in grades 7-12 are enrolled in computer education courses, including more than 100 in Advanced Placement Computer Science. Curriculum guides for elementary and secondary programs are used. Computer teachers and students communicate through a countywide BBS system (12,000 log-ons were tabulated during 1984-85).

Administrative Uses	Level (Elem., Sec or All)	Brand and Model of Computer(s)Used
Internal Accounts	All (by auditors)	Zenith Z160; IBM PC
Student Attendance	All	
FTE Accounting	All	
Inventory Accounting	All	
Grade Reporting	7-12	NAS 9080
Student Records	All	
Media Management	All	Also Apple IIe for library mgmt.
Instructional Management	7-12	
Guidance/Counseling	7-12	
Other (specify) Textbook Inventory	All	
Electronic Mail	All	

Brief description (Elementary, Middle/Jr., Secondary): Most administrative tasks involving computers are performed through a mainframe system administered through the Management Information Systems Division. All students are included in our Pupil Data Base System. At present, however, computer generated schedules and report cards are utilized only at grades 7-12. At individual schools, microcomputers which are primarily used in the instructional program are also utilized for some administrative tasks such as word processing, teacher gradebooks, and accounting. In addition, a library management program has been installed in 30 schools utilizing Apple II e's.

District	:	DeSoto	**K-12**
Name of Contact	:	Phyllis NeSmith	
Title	:	Elem. Curriculum Dir.	
Address	:	530 LaSolona Avenue	
City/Zip	:	Arcadia, Florida 33821	Phone: (813) 494-4222 Suncom 552-7500

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIE; TRS 80, Mod. IV
Computer Programming	9-12	Ap. IIE; TRS 80, Mod. IV
Reading/Language Arts	K-5, 9-12	Apple IIE; Tandy 1200
Science	9-12	Apple IIE
Mathematics	K-5, 9-12	Radio Shack, Mod. III & IV; Ap. IIE & II Plus
Social Studies		
Foreign Language	9-12	Apple II plus
Tool (word proc., data bases)	9-12	Apple II Plus and IIE; TRS 80, Mod. IV
Business Education		
Other Vocational Education	9-12	Apple II Plus and IIE
Exceptional Ed. (specify)	9-12	Apple II Plus
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Elementary - 1. Computer awareness (K-1) how and where computers are used, vocabulary care and handling of floppy disks.
2. Computer Literacy (2-5) computer terms, parts of computer care and handling of floppy disks, basics on how to use computers.
3. Gifted classes (1-5)
4. Chapter I Basic, Resource and Migrant classes K-5, Reading and Language Arts

Secondary - Computers are becoming an integral part of the instructional process.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	IBM PC/XT
Student Attendance	All	IBM Main Frame
FTE Accounting	All	IBM Main Frame
Inventory Accounting	Secondary	IBM Main Frame
Grade Reporting	Secondary	IBM Main Frame
Student Records	Secondary	IBM PC/XT
Media Management	All	Apple IIE
Instructional Management		
Guidance/Counseling		
Other (specify)		
Calendar	Secondary	TRS 80, Mod. III
Tool	Secondary	IBM PC/XT; TRS Model III

Brief description (Elementary, Middle/Jr., Secondary):

Media Management System Booktrak (Follett)

K-12

District	:	Dixie
Name of Contact	:	Anne Engers
Title	:	Mathematics Chairperson
Address	:	Dixie County High School
City/Zip	:	P.O. Box 4-H Cross City, Fl 32628

Phone: (904) 498-5314
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-6, 8-12	Apple IIe, TRS-80, Commodore
Computer Programming	10-12	Apple IIe, TRS-80
Reading/Language Arts	K-6	Apple IIe, Commodore
Science	5-6,10-12	Apple IIe, Commodore
Mathematics	K-6,10-12	Apple IIe, Commodore
Social Studies	5-6, 7-12	Apple IIe, Commodore
Foreign Language	11	Apple IIe
Tool (word proc., data bases)	5-6	Commodore
Business Education	10-12	TRS-80
Other Vocational Education		
Exceptional Ed. (specify)	ELP	Apple IIe, Commodore
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

The district acquired the TRS-80's Fall '82 Vocational Department (16), Apple IIe's Spring '84 Dixie County High School (16), Anderson Elem.(8), Commodores Spring '84 Old Town Elem. (8)

The computers have enhanced our academic program at all levels. Students have used CAI programs in Math and have written their own CAI programs for Math , Science, Language Arts and Foreign Language.

Students have used the computer for college and career selection/preparation for ACT and SAT tests.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance		
FTE Accounting		
Inventory Accounting		
Grade Reporting	Elem.	Commodore 64
Student Records	Elem.	Apple IIe, TRS-80
Media Management		
Instructional Management	All	Apple IIe
Guidance/Counseling	Sec.	Apple IIe
Other (specify)	Testing/Test reports	Apple IIe

Brief description (Elementary, Middle/Jr., Secondary):

Guidance , Pupil Progression, Computer Literacy for Administration and Faculty

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District Duval County

K-12

Name of Contact : Dr. Charles H. Cline
Title : Assistant Superintendent for Instruction
Address : 1701 Prudential Drive
City/Zip : Jacksonville, Florida 32207

Phone: (904) 390-2128
Suncom 689-2128

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Every school has a minimum lab of 15 computers. Elementary schools have color TRS-80 computers and secondary schools have networked Models III and IV TRS-80.
Computer Programming	10-12	
Reading/Language Arts	7-9	
Science	7-12	
Mathematics	7-12	
Social Studies	7-12	
Foreign Language		
Tool (word proc., data bases)	8-12	
Business Education	8-12	
Other Vocational Education	9-12	
Exceptional Ed. (specify)		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

In elementary schools, K-6, computers are used for computer literacy. In lower elementary, "logo" is used as the language. In upper elementary grades, students begin to use "BASIC."

In grades 7-9 all students receive computer literacy and application instruction in language arts, math, science and social studies.

In senior high schools, 10-12, students can elect to take courses in Computer Programming in BASIC and Pascal, Computer Applications, Computerized Office Skills, and Advanced Placement Computer Science.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	School Based & Central Of.	7900 Burroughs connected to B20 and B25 Burroughs or TRS-80 Model 12 at the school sites
Student Attendance		
FTE Accounting	K-12	
Inventory Accounting	K-12	
Grade Reporting	7-12	
Student Records	K-12	
Media Management	K-12	
Instructional Management	7-8	
Guidance/Counseling		
Other (specify) Personnel	School Based & Central Staff	
Transportation	K-12	

Brief description (Elementary, Middle/Jr., Secondary):

Internal Accounts, inventory accounting, media management, personnel, and transportation are done at the central office on the mainframe. FTE Accounting, grades and student records can be entered at the school site on computers connected to the central mainframe. Instructional management is conducted in Compensatory Education on TRS-80 Models III and IV.

District	: Escambia	**K-12**
Name of Contact	: Curtis Killough	
Title	: Assistant Superintendent for Instruction	
Address	: Escambia District Schools	
City/Zip	: 215 W. Garden Street Pensacola, FL 32597-1470	Phone: (904) 432-6121 Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe; TRS 80
Computer Programming	8	TRS 80
Reading/Language Arts	K-6	Apple IIe
Science	some K-6	Apple IIe
Mathematics	some K-6	Apple IIe
Social Studies	some K-6	Apple IIe
Foreign Language	no	---------
Tool (word proc., data bases)	10-15	TRS 80, Morrow,Kaypro
Business Education	9-12	TRS 80
Other Vocational Education	11-15	CAD System,Triad System,Apple IIe,TRS 80
Exceptional Ed. (specify)	K-12	Apple IIe, TRS 80
Other (specify)	--------	----------

Brief description (Elementary, Middle/Jr., Secondary):

Elementary students in all 40 schools have exposure to instructional computing; time varies from school to school. Objectives and teaching techniques have been provided to each elementary school.

Middle school students receive instruction in simple programming skills as an exploratory class (12-18 weeks) in grade eight.

Secondary students in Business Education receive instruction in keyboarding and word processing on standalone and networked TRS-80 micros. Data Processing is taught in most high schools. Every secondary school has a school lab of networked TRS-80 micros.

Exceptional education uses special adaptive switches for input by the physically handicapped, and voice output for use by the blind.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	no	
Student Attendance	three high schools	IBM
FTE Accounting	no	
Inventory Accounting	all	Burroughs 2900
Grade Reporting	Secondary	Burroughs 2900
Student Records	all	Burroughs 2900
Media Management	Some Elem. and Sec.	Apple IIe
Instructional Management	Some Elem., also Excep. Ed.	Apple IIe, Sony SMC-70
Guidance/Counseling	Some Sec.	TRS 80; Apple IIe
Other (specify) Payroll:	All	Burroughs 2900
Warehouse:	All	Burroughs 2900
Food Service:	All	Burroughs 2900

Brief description (Elementary, Middle/Jr., Secondary):

Elementary student record data must be entered at district level, no terminals in elementary schools. Instructional management in reading (Ginn Series) is being implemented this year with 15 schools already doing and scanners ordered for remainder.

Secondary report cards are done on the Burroughs mainframe, but no transcript available as yet.

Some high schools and largest elementary schools are using Follet Software for media management.

Secondary schools have some guidance software but no equipment in guidance offices at this time.

District	:	Flagler
Name of Contact	:	Richard D. Conkling
Title	:	Director of Instruction
Address	:	P.O. Box 755
City/Zip	:	Bunnell, FL 32010

K-12

Phone: (904) 437-3327, ext. 27
Suncom 352-7100

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	1-8	*CCC/Apple
Computer Programming	4, 8, 10-12	*CCC/Apple/TRS-80
Reading/Language Arts	K-12	*CCC/Apple
Science	1-8	Apple
Mathematics	K-12	*CCC/Apple
Social Studies	1-8	Apple
Foreign Language	7-12	Apple
Tool (word proc., data bases)	10-12	Apple/TRS-80
Business Education	10-12	Apple/TRS-80
Other Vocational Education	7-12	Apple
Exceptional Ed. (specify)	1-12	Apple
Other (specify)	(SLD, TMH, PH, EH, EMH)	*CCC/Apple

Brief description (Elementary, Middle/Jr., Secondary):

Apple IIe Classroom computers are provided for trained teachers in grades K-12 at a rate of approximately one apple computer for every two basic teachers for use in the classroom. Computer Curriculum Corporation labs with 8 terminals in middle school for Chapter I program, 8 in the high school for State Compensatory Education and 8 in the elementary for regular student use. High school computer programming is taught in lab with TRS -80, middle school in lab with Apples, and elementary with Computer Curriculum Corporation. District belongs to M.E.C.C. and provides software and manuals to teachers upon request. Seventy-five percent of the teachers in the district have received more than 10 hours of instruction in the use of a micro computer as a classroom instructional tool.

*Computer Curriculum Corporation Mini-Mainframe dedicated for Computer Assisted Instruction

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts)		
Student Attendance)		
FTE Accounting)		
Inventory Accounting)	Central Office	IBM System 34 &
Grade Reporting)		IBM System 4300
Student Records)		
Media Management)		
Instructional Management		
Guidance/Counseling --------	10-12 (Careers)	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

District	:	Florida A&M University Laboratory School	**K-12**
Name of Contact	:	Dr. Mila E. Ignatz	
Title	:	Research Coordinator	
Address	:	Box A-19, Florida A&M University Laboratory School	
City/Zip	:	Tallahassee, Florida 32307	Phone: (904) 599-3151 Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K - 12	Apple II+ and TI 99/4A
Computer Programming	7-8(BASIC), 8-12 ADV(PASCAL)	Apple II+
Reading/Language Arts	4 - 6	Apple II+
Science	9 - 12	Apple II+
Mathematics	4 - 12	Apple II+
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education		
Other Vocational Education		
Exceptional Ed. (specify)		
Other (specify) SAT Preparation	10 - 12	Apple II+

Brief description (Elementary, Middle/Jr., Secondary):

The Apple II+ micros in the school are used for a variety of purposes which include, but not limited to, preparing students for the state test (SSATII), the Scholastic Aptitude Test (SAT), computer literacy workshops for teachers and students, computer programming courses (BASIC and PASCAL) for high school students, individual projects by the computing club, demonstrations for R&D products, and drill and practice in math and grammar.

An on-going R&D project at the school is the development of interactive CAI-videotape courseware for chemistry, physics, trigonometry and ecology. The majority of the materials is funded by the U.S. Department of Education; and others, by the Florida DOE.

Another project is the development of interactive videotape materials to train preservice and inservice teachers, and administrators in the use of the FPMS Observation System.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance		
FTE Accounting		
Inventory Accounting		
Grade Reporting		
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)		
Scheduling	8 - 12	Apple II+

Brief description (Elementary, Middle/Jr., Secondary):

The Apple II+ is used to develop the schedules of over 200 high school students into a 7-period day. The programs were developed by the research coordinator.

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K-12

District	Glades
Name of Contact	Leonard Crowell
Title	Assistant Superintendent
Address	P.O.Box 459
City/Zip	Moore Haven, Fl. 33471
Phone ( ) Suncom	813 9460202

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	7-12	Apple - TRS 80
Computer Programming		
Reading/Language Arts	3-12	Apple
Science	7-12	Apple
Mathematics	3-12	Apple, Commodore
Social Studies	3-12	Apple
Foreign Language		
Tool (word proc., data bases)	10-12	TRS 80
Business Education	10-12	TRS 80
Other Vocational Education	9-12	Apple
Exceptional Ed. (specify)	ED,SLD,EMH, 7-12	Apple
Other (specify) Disadvantaged	7-12	Apple

Brief description (Elementary, Middle/Jr., Secondary):

Computers are generally located in library with scheduled use by classes. Elementary Library has only two computers at present. High school library has 14.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance		
FTE Accounting	Secondary	Main frame in another county.
Inventory Accounting		
Grade Reporting	Secondary	" " " " "
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Input to other county's computer by terminal. Output is received by express service.

District : Gulf
Name of Contact : Barbara Shirley-Scott
Title : Director of Instruction
Address : Gulf County School Board
City/Zip : Port St. Joe, FL 32456
Phone: (904) 229-8256
Suncom 231-4906

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe, TRS-80
Computer Programming	K-12	Apple IIe, TRS-80
Reading/Language Arts	K-12	Apple IIe
Science	K-12	Apple IIe
Mathematics	K-12	Apple IIe
Social Studies	K-12	Apple IIe
Foreign Language	K-12 (Gifted Program)	Apple IIe
Tool (word proc., data bases)		
Business Education	7-12	TRS-80 III, TRS-80 IV
Other Vocational Education	7-12 Agriculture	TRS-80 IV
Exceptional Ed. (specify)	Gifted	Apple IIe, TRS-80 III
Other (specify)	Chapter I, grades 4-9	Apple IIe, Apple IIc

Brief description (Elementary, Middle/Jr., Secondary):

Each school has a computer laboratory with additional computers available for checkout to individual classrooms. Students at all levels receive instruction in computer literacy, basic skills, subject area enrichment, and programming. Gifted students study French via computer.

Packaged programs in use include R.E.C.I.P.E. and Prescription Learning for Chapter I students, Computeronics for gifted, and Radio Shack word processing and mathematics software for business education students.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	Telex, 277-D Terminal, 289 Printer
Student Attendance		
FTE Accounting	All	Telex, 277-D Terminal, 289 Printer
Inventory Accounting		
Grade Reporting		
Student Records	Sec. Schedules	Apple IIe
Media Management	All	Apple IIe
Instructional Management		
Guidance/Counseling	Sec.	Telex, Burroughs A-06, AP 310 Printer
Other (specify) Word Processing, Personnel Records, FIRN	All	Apple IIe, IBM PC

Brief description (Elementary, Middle/Jr., Secondary):

The district office is connected to the Northwest Regional Data Center through an ACF/VTAM 3270-type terminal. Gulf's terminal, printer and controller are Telex; the modem is Paradyne. NWRDC used the IBM 3081 Model D Computer with 24.0 megabytes storage. An IBM PC provides a hook-up with FIRN.

Other district uses include Special Net-the DOE electronic bulletin board, CHOICES- a Career Education program, and Book Trak for media centers.

District : Hamilton
Name of Contact : Margaret Scaff
Title : VTAE Director
Address : P. O. Box 1359
City/Zip : Jasper, Florida 32052

Phone: (904)792-2715
Suncom

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Commodors 64, Apple IIE, TRS 80
Computer Programming		Radio Shack Model II
Reading/Language Arts	K-12	Commodore 64, Apple IIE
Science	4-12	Commodore 64, Apple IIE
Mathematics	4-12	Commodore 64, Apple IIE
Social Studies	4-12	Commodore 64, Apple IIE
Foreign Language	10-12	Apple IIE
Tool (word proc., data bases)		
Business Education	9-12	TRS 80, Model II, IBM Word Processor
Other Vocational Education	7-12	TRS 80, Model II Radio Shack
Exceptional Ed. (specify)	K-12	TRS 80, Model II Radio Shack
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

The elementary and junior high levels emphasize computer literacy skills, but also provide instructional activities via computer at the 9-12 levels, two well equipped labs are provided. The academic ares utilize the lab at the main building and the vocational lab is used by vocational students. Both are equipped with adequate computers and appropriate software. These labs are used daily.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	Secondary	IBM
FTE Accounting		
Inventory Accounting		
Grade Reporting	Secondary	
Student Records	Secondary	
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify) Scheduling	Secondary	
Payroll, budgets, accounts	District office	IBM 36

Brief description (Elementary, Middle/Jr., Secondary):

The high school is the only school in the district that has computer/automotive capability. By the end of the 1985-86 fiscal year all school should be equipped to have the capability of performing the above functions.

The district office has the IBM 36 and is linked with FIRN. The VTAE Office will be linked with the district 36 and on line with the high school very soon. We're in the process now.

District : Hendry

K-12

Name of Contact : Thomas W. Conner
Title : Director of Personnel and Curriculum
Address : Post Office Box 787

City/Zip : LaBelle/33935

Phone: (813) 675-5266
Suncom 558-4266

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12, Adult	Apple IIe, Burroughs B-20 Series
Computer Programming	9-12, Adult	Apple IIe. IBM-PC, Burroughs B-20 Series
Reading/Language Arts	N/A	N/A
Science	9-12	Apple IIe
Mathematics	9-12	Apple IIe
Social Studies	9-12	Apple IIe
Foreign Language	N/A	N/A
Tool (word proc., data bases)	9-12, Adult	IBM-PC, Apple IIe, Burroughs B-20 Series
Business Education	7-12, Adult	Apple IIe, IBM-PC, Burroughs B-20 Series
Other Vocational Education	7-12(Ind.Arts,Agric,Home Ec)	Apple IIe and II+
Exceptional Ed. (specify)	K-12 SLD, EMH, EH, Gifted	Apple IIe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):
The Hendry County School District utilizes the Burrough B-20 Series in a network configuration to provide instruction at the secondary level in computer literacy and programming business education, and word processing. The Apple IIe is used to provide literacy, programming, science, mathematics, home economics, agriculture, and industrial arts at the secondary level. In addition the Apple IIe is used at the middle school level in exploratory industrial arts, home economics, and business education, and computer literacy. The IBM-PC is utilized in secondary business education.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	N/A	N/A
Student Attendance	Secondary	Burroughs 900
FTE Accounting	Secondary	Burroughs 900
Inventory Accounting	All	Burroughs 900
Grade Reporting	Secondary	Burroughs 900
Student Records	Secondary	Burroughs 900
Media Management	Secondary	Apple IIe
Instructional Management	All	Apple IIe
Guidance/Counseling	N/A	N/A
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):
The Burroughs 900 system provides student records and attendance support for the secondary schools; inventory control and district FTE summary for all schools. A library management program is currently operating at the elementary and secondary levels. All secondary math and science classrooms have an Apple IIe for management and instructional usage.

District : Hernando

K-12

Name of Contact : Martin A. Yungmann
Title : Director of Curriculum and Testing
Address : 919 U. S. Highway 41 North
City/Zip : Brooksville, FL 33512

Phone: (904) 796-6761 Ext. 413
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-5, 7, 9-12	TRS-80 Model III/4
Computer Programming	8-12	TRS-80 Model III/4
Reading/Language Arts	K-12	TRS-80 Model III/4, Apple IIe
Science	9-12	TRS-80 Model III/4, Apple IIe
Mathematics	K-12	TRS-80 Model III/4, Apple IIe
Social Studies	K-12	TRS-80 Model III/4, Apple IIe
Foreign Language	--	-----
Tool (word proc., data bases)	K-12	TRS-80 Model III/4
Business Education	7-12	TRS-80 Model III/4, IBM PC
Other Vocational Education	7-12	TRS-80 Model III/4, IBM PC
Exceptional Ed. (specify)	K-12	TRS-80 Model III/4
Other (specify) Chapter I	6	Commodore 64

Brief description (Elementary, Middle/Jr., Secondary):

Each high school has two networked labs, one in business education and one in computer education. Each high school also has stand-alone computers in various classes for C.A.I. use.

Each middle school has one networked lab. All seventh graders receive instruction in computer literacy and programming is offered to eighth graders. Other stand-alone computers in various classes are used for C.A.I.

Each elementary school has at least 12 computers used mainly for C.A.I. A K-5 literacy curriculum is currently being developed and piloted in some schools.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Ad. Ed.	TRS-80 Model III
Student Attendance	SEC	TRS-80 Model III/4, Mainframe
FTE Accounting		
Inventory Accounting	ALL	Mainframe
Grade Reporting	SEC	Mainframe
Student Records	SEC, ELEM	Mainframe, TRS-80 Model III/4
Media Management	ELEM, SEC	TRS-80 Model III, 4, Apple IIe
Instructional Management	ELEM, SEC	TRS-80 Model III, 4, Apple IIe
Guidance/Counseling	ELEM	TRS-80 Model III/4
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

All secondary schools use the districts Burroughs B-1900 Mainframe for grade reporting, scheduling, and student records. One high school is using the Mainframe for attendance with the rest of the secondary schools to follow next year.

All elementary schools use a reading management system. A math management system will be used by all elementary schools in 1986-87.

All other uses vary from school to school.

District : Highlands
Name of Contact : Dr. James E. Smith
Title : MIS & Planning
Address : 426 School Street
City/Zip : Sebring, Fl 33870

Phone: (813) 382-1121
Suncom 590-1217

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	5 - 8	Apple / TRS
Computer Programming	9 - 12	Apple / TRS
Reading/Language Arts	1 - 8	Apple / IBM
Science	7 - 12	Apple
Mathematics	1 - 12	Apple / IBM
Social Studies	K - 8	Apple
Foreign Language		
Tool (word proc., data bases)	9 - 12	Apple / TRS
Business Education	10 - 12	Apple / TRS
Other Vocational Education	10 - 12	Apple / RES
Exceptional Ed. (specify)	1 - 12	Apple / IBM
Other (specify) Agri, Hm. Econ., Ind. Arts		

Brief description (Elementary, Middle/Jr., Secondary):

Elementary - All five schools have: 1) 12-18 station CAI computer lab and 2) 10-12 station CMI/CAI Federal Projects lab for mathematics and reading. Four of five schools, utilizing scanners, scoring tests and providing student and class reports. One school has computer aide.

Middle - All three schools have: 1) 15 station computer literacy and CAI computer lab, 2) 10-12 station CMI/CAI Federal Projects lab for mathematics and reading and 3) several vocational classroom computers. One school has 14 station Covrus Network mathematics lab. Another school has a computer in the teachers lounge for materials preparation and grade keeping and a teacher released 1 period a day as well as an aide to help make the lab function properly. (CONTINUED BELOW)

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	K - 12	Terminal/IBM
FTE Accounting	9 - 12	Terminal/IBM
Inventory Accounting	District	TRS
Grade Reporting	9 - 12	Terminal/IBM
Student Records	K - 12	Terminal/IBM
Media Management	K - 12	Apple
Instructional Management		
Guidance/Counseling	State Project	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

High - All three schools have: 1) A 16 station computer science and literacy lab, 2) computer for CAI in their media centers and 3) computers in vocational education classrooms for CAI, CAD, learning generic programs, etc.

Achievement and Drug Center and ESE gifted program have computers for CAI.

All schools: 1) Utilizing Book Track in Media Centers and 2) have Instructional Computing Committee, the chair of which serves on a District Wide Committee.

This district of 7500 students has moved this past year from 1 computer for 30 students to 1 computer per 18 students.

We are on line with the Lee County mainframe from all school centers and the district office. All schools have student data base and do attendance. High Schools, in addition do scheduling, report cards, FTE, etc. One elementary and one middle piloting ESE Collier County management system.

District	:	Hillsborough
Name of Contact	:	L. Lee Osburn
Title	:	Supervisor of Instructional Computing
Address	:	707 E. Columbus Drive, I.S.C.
City/Zip	:	Tampa, FL 33602

K-12

Phone: (813) 272-4718
Suncom 8-575-4718

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	1-12	Atari 800, IBM-PC, TRS80 III & IV
Computer Programming	5-12	Atari 800, IBM-PC, TRS80 III & IV
Reading/Language Arts	3-12	Atari 800, IBM-PC, TRS80 III & IV
Science	4-12	Atari 800, Apple IIe Apple IIe
Mathematics	1-12	Atari 800, TRS80 III & IV
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	9-12	TRS80 IV, IBM PC
Other Vocaticnal Education	9-12	Apple IIe
Exceptional Ed. (specify)	3-8	Apple IIe, Atari 800
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):
All elementary schools in the district have at least two computers. They are used for CAI and some programming. Junior high schools all have at least three computers used to teach computer literacy and computer science. High schools have at least twelve computers used to teach introduction to computers, computer programming I and II, computer applications, computer programming-BASIC I & II and computer applications in mathematics.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	18 schools	TRS80 Model 16
FTE Accounting		
Inventory Accounting		
Grade Reporting		
Student Records	18 schools	TRS80 Model 16
Media Management	Secondary	TRS80 Model IV
Instructional Management	Elementary	Apple IIe
Guidance/Counseling		
Other (specify)		
Word Processing	Secondary	TRS80 Model 16 and Model IV

Brief description (Elementary, Middle/Jr., Secondary):

District	:	Holmes	**K-12**
Name of Contact	:	Jean B. West	
Title	:	Special Programs Administrator	
Address	:	211 W. Iowa Avenue	Phone: (904) 547-9341
City/Zip	:	Bonifay, Fl 32425	Suncom 231-4054 231-4061

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	Secondary	TRS-80
Computer Programming	Secondary	TRS-80
Reading/Language Arts	Elementary	Texas Instruments-99-4A
Science	Jr. High	TRS-80
Mathematics	All	TRS-80, TI-99, Apple 1le
Social Studies		
Foreign Language		
Tool (word proc., data bases)	Secondary	TRS-80, Apple 1le
Business Education	Secondary	TRS-80, Burroughs
Other Vocational Education	Secondary	TRS-80, Apple 1le
Exceptional Ed. (specify)	All	TI-99, TRS-80, Apple 1le
Remedial Math & Language	All	Apple 1le
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

All high schools have computer labs for computer literacy and programming. Most of the county's elementary schools have computers in each classroom or in a lab situation. All computers are used for computer assisted instruction.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	IBM-PC
Student Attendance	All	IBM-PC
FTE Accounting	All	Telex, IBM-PC
Inventory Accounting	All	IBM-PC
Grade Reporting	Secondary	Apple 1le
Student Records	All	IBM-PC
Media Management	All	Apple 1le
Instructional Management	Secondary	Apple 1le
Guidance/Counseling	All	Apple 1le, TRS-80
Other (specify) ESE	All	Texas Instruments Silent 700
Finance	All	Telex

Brief description (Elementary, Middle/Jr., Secondary):

K-12

District : Indian River County
Name of Contact : Don Klein
Title : Computer Specialist
Address : 1990 25th St.
City/Zip : Vero Beach, Florida 32960

Phone: (305) 567-7165 Ext. 238
Suncom 465-1011

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used			
		APPLE	COMMODORE	IBM	RADIO SHACK
Computer Literacy	Secondary	x	x	x	
Computer Programming	Secondary		x	x	
Reading/Language Arts	Elementary	x			
Science	Secondary	x			
Mathematics	ALL	x			
Social Studies	N/A				
Foreign Language	Secondary	x			
Tool (word proc., data bases)	Secondary				x
Business Education	Secondary				x
Other Vocational Education	Secondary	x			
Exceptional Ed. (specify)					
Other (specify)	ALL	x			

Brief description (Elementary, Middle/Jr., Secondary):

We are continuing to integrate microcomputers into all levels of our school district. Each elementary school has a lab specifically used for Computer Assisted Instruction which is managed by software. Each middle school has labs for CAI/CMI or computer literacy. Our secondary schools are using the computer as tools, as objects of study, and for CAI.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Secondary	IBM
Student Attendance	ALL	Burroughs
FTE Accounting	ALL	Burroughs
Inventory Accounting	ALL	Burroughs
Grade Reporting	Secondary	Burroughs
Student Records	ALL	Burroughs
Media Management	N/A	
Instructional Management	ALL	Burroughs
Guidance/Counseling	Secondary	Burroughs
Other (specify)	Vocational Education	Burroughs

Brief description (Elementary, Middle/Jr., Secondary):

All schools have at least one on-line terminal to access student related and financial related information. Administrators in the county office utilize the on-line access and analytical reports produced from the Burroughs Main Frame.

Vocational reporting, test scoring, (TOTEM, DCRT, SRA, SSAT), discipline reporting and cost reporting are also kept on the Burroughs Main Frame.

K-12

District	:	Jackson
Name of Contact	:	Mrs. Joan Patterson
Title	:	Director of MIS, Media and Grants
Address	:	P. O. Box 809
City/Zip	:	Marianna, Florida 32446

Phone: (904) 526-4510
Suncom 234-1212

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple, IBM, Radio Shack, Pet
Computer Programming	8-12	Apple, IBM, Radio Shack
Reading/Language Arts	K-12	Apple, IBM, Radio Shack, Pet
Science	4-12	Apple, IBM, Radio Shack, Pet
Mathematics	K-12	Apple, IBM, Radio Shack, Pet
Social Studies	4-12	Apple, IBM, Radio Shack, Pet
Foreign Language	9-12	Apple
Tool (word proc., data bases)	4-12	Apple, IBM
Business Education	9-12	Apple, IBM, Radio Shack
Other Vocational Education	7-12	Apple, IBM, Radio Shack
Exceptional Ed. (specify) SLD, EMH, Gifted	K-12	Apple
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

We have over 200 micros in the district, for a micro/pupil ratio of about 1/38.
Computer literacy classes/programs and CAI in all schools, K-12, and in Adult Education.
BASIC Programming classes in all high schools and 1 middle school.
Pascal class at one high school.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Middle and Secondary	IBM and Radio Shack
Student Attendance		
FTE Accounting		
Inventory Accounting	District Property Records	IBM PC/XT
Grade Reporting		
Student Records		
Media Management	District Media Center	Apple and IBM PC/XT
Instructional Management		
Guidance/Counseling	Secondary	Apple (Choices)
Other (specify)		
Food Service Inventory	District	IBM PC/XT

Brief description (Elementary, Middle/Jr., Secondary):

The district is currently installing an IBM System 36 and will be expanding administrative computing considerably once this installation is complete.

District : Jefferson
Name of Contact : Cynthia B. Shrestha
Title : Director of Program Support Services
Address : 1490 W. Washington St.
City/Zip : Monticello, FL 32344
Phone: (904) 997-3562
Suncom 231-4012

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	5-8	Apple IIe
Computer Programming Reading/Language Arts Science	9-12 (Compensatory Ed.)	Apple IIe and Radio Shack TRS-80
Mathematics Social Studies Foreign Language	5-8; 9-12(Compensatory Ed.)	Radio Shack- TRS-80 and Apple IIe
Tool (word proc., data bases)	9-12	Apple IIe
Business Education	9-12	Apple IIe
Other Vocational Education	9-12	Apple IIe
Exceptional Ed. (specify)	k-12	Radio Shack- TRS-80
Other (specify) Chapter 1	1-4	Apple IIe

Brief description (Elementary, Middle/Jr., Secondary):

Each school in the district is equipped with a computer lab for use by ESE students. The program of instruction is designed to correlate with the IEP's of the students.

Students in the Chapter 1 program have access to a computer lab that is used specifically for computer assisted instruction in the basic skills area.

The middle school is equipped with a computer lab that is used by all students specifically for the purpose of learning computer literacy skills and learning to use the computer as a tool. The middle school also uses 5 TRS-80's to enhance the basic mathematics program using software in the form of drills and math games.

The high school is equipped with a computer lab specifically for students enrolled in business ed. courses. Students are provided training in the use of computers for word processing, bookkeeping, inventory control and other office and business applications. The high school also utilizes 7 computers in the Compensatory Ed. program.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	9-12	IBM
FTE Accounting	9-12	IBM
Inventory Accounting	1-4 (Chapter 1)	Apple IIe
Grade Reporting	9-12	IBM
Student Records	9-12	IBM
Media Management	9-12	IBM
Instructional Management		
Guidance/Counseling	9-12	IBM
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

The high school has two IBM terminals used for student records, scheduling, and FTE reporting via the Dade County student records package. The high school also uses the Follet software program in the media program.

The Chapter 1 program uses the Apple Works software program for inventory accounting and student records.

District	:	LAKE
Name of Contact	:	Diana Margolis
Title	:	Content Specialist-Computer Ed.
Address	:	201 W. Burleigh Blvd.
City/Zip	:	Tavares, FL 32778

K-12

Phone: (904) 343-3531
Suncom 363-1249

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe, Commodore 64, Radio Shack Model III
Computer Programming		
Reading/Language Arts	1-5	Commodore 64
Science		
Mathematics		
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education		
Other Vocational Education		
Exceptional Ed. (specify)	K-12 (E.H., E.M.H., S.L.D.)	Apple IIe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Computer Literacy:

A scope and sequence chart and curriculum guides have been developed K-9 and they are, presently, in use. Our Computer Education Writing Team is working on curriculum guides for the Programming Courses and the Computer Application Courses. Our intent is to implement these guides during the 1986-87 school year.

Reading/Language Arts

The Prescription Learning Labs are in operation in all Chapter I, Basic classrooms. They are assisting in the instruction of those students who are reading below grade level.

Exceptional Education

36 Apple IIe Computers are being used in our exceptional education classrooms to assist those students with varying exceptionalities.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		MainFrame IBM 4361
Student Attendance	ALL	Telex 178, IBM 3275, Teltype
FTE Accounting	ALL	Telex 178, IBM 3275, Teltype
Inventory Accounting		
Grade Reporting	Middle & Sec.	Telex 178, IBM 3275, Teltype
Student Records	ALL	
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

All middle and secondary schools in the district are keeping attendance, grade reporting, and F.T.E. on the main frame at the district level. The elementary schools are now keeping attendance and F.T.E. on the main frame.

District : Levy
Name of Contact : Rob Ice
Title : Director of Personnel
Address : Box 129
City/Zip : Bronson, Florida 32621

K-12

Phone: (904) 486-2151
Suncom 620-5201

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	7-12	TRS-80 Model 3&4 Network
Computer Programming	7-12	TRS-80 Model 3&4 Network
Reading/Language Arts	K-6	TRS-80 Model 3&4 and color computer
Science		
Mathematics	K-12	TRS-80 Model 3&4 Network
Social Studies		TRS-80 Model 3&4 and color computer
Foreign Language		
Tool (word proc., data bases)	9-12	IBM PC
Business Education	9-12	IBM PC
Other Vocational Education		
Exceptional Ed. (specify)		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

- Hi_h Schools are Network to teach computer programming.

- Business to use individual PC for wordprocessing and other applications related to business.

- Elementary use computers for math, and language arts.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	- All	IBM PC
Student Attendance		
FTE Accounting		
Inventory Accounting	- All	IBM PC
Grade Reporting		
Student Records	- All	IBM PC
Media Management	- All	TRS 80 Model 4 and Apple
Instructional Management		
Guidance/Counseling	- 7-12	IBM PC and Terminal
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

All of the above will be used administratively by June 1987.
All except Internal Accounts and media Management, and gone through NEFEC Computer Project. Guidance is GIS through NEFEC.

K-12

District : Liberty
Name of Contact : Shirley Bateman
Title : Director of Instruction
Address : P.O. Box 428
City/Zip : Bristol, Florida 32321

Phone: (904) 643-2249
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple TRS 80
Computer Programming		
Reading/Language Arts	K-6	Apple TRS 80
Science	9-12	Apple TRS-80
Mathematics	K-12	Apple TRS 80
Social Studies		
Foreign Language		
Tool (word proc., data bases)	9-12	IMB/TRS 80
Business Education	9-12	IMB/TRS 80
Other Vocational Education	7-12	Apple TRS 80
Exceptional Ed. (specify)	1-12	Apple TRS 80
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

The High school has a basic classroom lab of TRS 80 computers, one teacher station and a printer on a network. The vocational department has three computers. The two elementary schools have Apples which are regularly scheduled into the regular classroom. Each exceptional student classroom has an Apple.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance		
FTE Accounting		
Inventory Accounting	District	IBM-XT
Grade Reporting		
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling	School	Apple
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Each media center has an Apple and will be inputing data during 1985-86 school year. We have the IBMXT at the office and plan to purchase the same for school administrative use and to implement the student records mandate.

District : Madison
Name of Contact : Lou S. Miller, Bob Cooper
Title : Principal Computer Program
Address : Route 3 Box 2300
City/Zip : Madison, Florida 32340
Phone: ( )
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	9-12	Apple IIe, IBM PC/JR
Computer Programming	9-12	Apple IIe
Reading/Language Arts	9-12	Apple IIe
Science	9-12	Apple IIe, TRS-80 Model III
Mathematics	9-12	Apple IIe
Social Studies	9-12	Apple IIe
Foreign Language		
Tool (word proc., data bases)		
Business Education	9-12	Apple IIe & Olivetti
Other Vocational Education	9-12	TRS-80 Color/Model I/II
Exceptional Ed. (specify)		
Other (specify) Computer Appl	9-12	IBM PC/JR

Brief description (Elementary, Middle/Jr., Secondary):

Secondary - Pressley-Laurenburg; Computer Math; Computer Programming.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Secondary	Apple IIe
Student Attendance	Secondary	Apple IIe
FTE Accounting	Secondary	IBM/Apple IIe
Inventory Accounting	Secondary	IBM
Grade Reporting	Secondary	IBM
Student Records	Secondary	IBM
Media Management		
Instructional Management		
Guidance/Counseling	Secondary	Apple IIe
Other (specify) Scheduling	Secondary	Apple IIe
Lunch Ticket Control	Secondary	TRS-80 Model III/IV

Brief description (Elementary, Middle/Jr., Secondary):

Madison County mainframe installation of IBM computer, networked to all schools for compensatory education, labs for student data transfer and other FIRN function.

District : Manatee

K-12

Name of Contact : Preston K.Jones
Title : Coordinator, Instructional Computing
Address : P.O. Box 9069
City/Zip : Bradenton, Fl. 33506

Phone: (813) 746-5171
Suncom 536-1219

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe/TRS-80 III's & 4's/Commodore
Computer Programming	7-12	" " "
Reading/Language Arts	K-12	" " "
Science	9-12	" " "
Mathematics	K-12	" " "
Social Studies	K-12	" " "
Foreign Language		
Tool (word proc., data bases)	7-12 & Adult	TRS-80 Model III's and 12's
Business Education	7-12 & Adult	" " "
Other Vocational Education	6-12 & Adult	" " "
Exceptional Ed. (specify)		
Other (specify) Gifted	6-8	TRS-80 Model 1's & III's
Ind. Arts-Draft-	9-12	IBM PC 5150/C74's

Brief description (Elementary, Middle/Jr., Secondary):

Each high school has three computer networked labs; one in business education, one in home economics and one for programming, literacy and C.A.I. Some high schools have stand alone computers in drafting classes, media centers, science, math and communications classrooms.

Each middle school has a networked lab for instruction in literacy and introduction to programming.

All K-5 schools have stand alones for the purposes of C.A.I. and literacy.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	All	IBM 4341
FTE Accounting	All	IBM 4341
Inventory Accounting	All	IBM 4341
Grade Reporting	Sec.	IBM 4341
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)	All	Wang IMP

Brief description (Elementary, Middle/Jr., Secondary):

The Manatee County School System presently shares an IBM 4341 with Manatee Junior College. There is also a student system pilot underway which uses microcomputers at the school sites. The school system is developing an on-line system for all administrative uses. The configuration will include a mainframe (IBM System 38) connected to micro-computers (IBM PC XT) at the thirty-three school sites.

BEST COPY AVAILABLE

District Marion :
Name of Contact : Jack Joyner
Title Computer Program Manager
Address P.O. Box 670
City/Zip Ocala, Florida 32678

Phone: (904) 732-8041
Suncom 355-1326

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	8-12	IBM PC; Radio Shack I/III, Apple II+/IIe
Computer Programming	8-12	IBM PC; Radio Shack I/III, Apple II+/IIe
Reading/Language Arts	K-5	Apple II+/IIe, Commodore 64
Science	8-12	Radio Shack III/Color, IBM PC
Mathematics	8-12	Radio Shack IV, IBM PC, Apple IIe
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	8-12	Radio Shack III/IV/12, IBM PC
Other Vocational Education		
Exceptional Ed. (specify) FDLRS/SLD Alternative (Northwoods)		Apple II+/IIe, Radio Shack III/IV, IBM PC
Other (specify) Comp. Ed	5-12	IMCPC/PCXT

Brief description (Elementary, Middle/Jr., Secondary):

Marion County is currently developing software/hardware purchasing policies to ensure uniformity and flexibility in applications and maintenance. Our installation of networked IBM laboratories at all schools for compensatory education is a first step. There will be crossover use of our mainframe from these labs for student data transfer and other M.I.S. functions.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	IBM System 38 Mod. 8 (4M, with 1 X 3411 Tape Drives, 3 X 3370 Disk Drives)
Student Attendance	"	
FTE Accounting	"	
Inventory Accounting	"	
Grade Reporting	"	
Student Records	"	
Media Management	"	
Instructional Management	"	
Guidance/Counseling	"	
Other (specify)	"	

Brief description (Elementary, Middle/Jr., Secondary):

Currently all high schools use on-line terminals for M.I.S. functions.

K-12

District	:	Martin	
Name of Contact	:	Mrs. Joan Hunt, Assistant Principal; Chairman, Computer Education Committee	Dr. Barbara G. Anderson Director of Curriculum (K-12)
Title	:		
Address	:	% 500 E. Ocean Blvd.	Phone: (305) 287-6400 Suncom
City/Zip	:	Stuart, FL 33494	

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	TRS-80, Apple II, IBM PC
Computer Programming	4-12	TRS-80, Apple II, IBM PC
Reading/Language Arts	K-12	TRS-80, Apple II, IBM PC, Com. Vic 2
Science	4-8, 10	TRS-80, Apple IIe
Mathematics	4-12	TRS-80, Apple IIe, IBM PC
Social Studies	4-5	TRS-80, Apple IIe
Foreign Language		
Tool (word proc., data bases)	4-5, 8-12	TRS-80, Apple II, IBM PC, Com Vic 20
Business Education	7-12	TRS-80, Apple II
Other Vocational Education	7-12	TRS-80, Apple II, Terak
Exceptional Ed. (specify) Gifted, SLD	6-12	TRS-80, Apple II
Other (specify) Career Ed.	9-12	Burroughs

Brief description (Elementary, Middle/Jr., Secondary): Martin School District has developed a K-12 Computer Education Plan. Copies are available through the Dept. of Cur.

ELEMENTARY - Emphasis: Computer Awareness and Literacy, computer assisted instruction, and two of six elementary schools implement the Write-to-Read program.
Other: Basic programming - Grades 4 and 5, and Media instruction.

MIDDLE - Emphasis: Computer Literacy and programming through basic classes and the vocational wheel. Computers are also utilized in the media center.

SECONDARY - HILS - Random House; Computer math; Vocational - data processing and programming.

(This section was completed in collaboration with the MIS Director, Gene Fleming.)

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	Burroughs B900
Student Attendance	Secondary	Burroughs B1955, Apple II
FTE Accounting	Secondary	Burroughs B1955 and ET2120
Inventory Accounting	Elementary	IBM - Display Writer
Grade Reporting	Secondary	Burroughs B1955
Student Records	Elementary, Secondary	Burroughs B1955, IBM - Display Writer
Media Management	Elementary, Secondary	TRS III, Apple IIe
Instructional Management		
Guidance/Counseling	Secondary	Burroughs
Other (specify) Scheduling	Secondary	Burroughs B1955

Brief description (Elementary, Middle/Jr., Secondary):

Martin School District is formulating a plan to computerize administrative uses in phases. Phase I, the secondary program, is currently in operation. Some middle and elementary schools are "field processing" administrative uses of the computer during the 1984-85 school year.

District : Nassau

K-12

Name of Contact : Peggy Dennard, Director
Title : Instructional Support Services
Address : 1201 Atlantic Avenue
City/Zip : Fernandina Beach, Fl 32034

Phone (904) 261-9625
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	R/S, Apple
Computer Programming	K-12	R/S, Apple
Reading/Language Arts	K-8	R/S, Apple
Science	K-12	R/S, Apple
Mathematics	K-12	R/S
Social Studies	K-8	R/S
Foreign Language		
Tool (word proc., data bases)	10-12	R/S, Apple
Business Education	10-12	Apple, IBM
Other Vocational Education		
Exceptional Ed. (specify)	Gifted	R/S
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Each school has a basic classroom lab of Radio Shack Computers of 15 student stations, 1 teacher station and 1 printer. All labs are networked.

Each of the three high schools have a vocational secretarial unit with Apple Computers.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	R/S
Student Attendance	All	R/S
FTE Accounting	All	R/S
Inventory Accounting	All	R/S
Grade Reporting	All	R/S
Student Records	All	R/S
Media Management	All	R/S
Instructional Management		
Guidance/Counseling	Sec.	R/S, Apple
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

All 13 schools will have administrative computers with hard disks this school year (85-86). Scheduling, student records and reporting will be done on a system which will network into the District office.

Each media center has a Radio/Shack Model III or 4 Computer with printer. Checkout/overdue records, AV cataloging and property inventory are being run at this time.

The District Media Center holdings are on computer. Materials handbook and daily circulation are accomplished by computer.

K-12

District	:	Okaloosa County, Florida	
Name of Contact	:	Dr. Charles Aplin	
Title	:	Mathematics Program Director	
Address	:	120 Lowery Place	
City/Zip	:	Fort Walton Beach, Florida 32548	Phone: (904) 244-2161 Suncom 239-1246

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Commodore, Apple, Radio Shack
Computer Programming	10-12	Commodore
Reading/Language Arts	K-6	Commodore, Apple, Radio Shack
Science	K-12	Commodore, Apple, Radio Shack
Mathematics	K-12	Commodore, Apple, Radio Shack
Social Studies	K-6	Commodore, Apple, Radio Shack
Foreign Language	-	
Tool (word proc., data bases)	-	
Business Education	10-12	IBM, Commodore, Altos
Other Vocational Education	10-12	IBM, Commodore
Exceptional Ed. (specify) Gifted	4-8	Commodore
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Currently the elementary schools of the district use computers for Computer Assisted Instruction, Computer Managed Instruction, and instruction in computer literacy. The secondary schools deal primarily with computer literacy, mathematical applications, word and data processing, and programming in the BASIC language.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	IBM 370/115
Student Attendance	All	
FTE Accounting	All	
Inventory Accounting	All	
Grade Reporting	All	
Student Records	All	
Media Management	All	
Instructional Management	-	
Guidance/Counseling	-	
Other (specify)		
School Food Records	All	
In-service Records	All	

Brief description (Elementary, Middle/Jr., Secondary):

For administrative computing the District has a centralized Data Processing Department. This department currently provides the above services for all schools in the District.

District : Okeechobee
Name of Contact : Debbie Gillis
Title : County Math/Computer Contact
Address : 2800 Highway 441, North
City/Zip : Okeechobee, FL 33472

K-12

Phone: (813) 763-3191, 763-1014
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe
Computer Programming	7-12	IBM PC
Reading/Language Arts	K-12	Radio Shack III
Science	K-12	Commodore 64
Mathematics	K-12	
Social Studies	K-6	
Foreign Language	--	
Tool (word proc., data bases)	9-12	
Business Education	7-12	
Other Vocational Education	--	
Exceptional Ed. (specify)	K-8	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

District has a plan which incorporates the proposed SSAT-I Computer Literacy Standards into existing curriculum. All seventh graders are exposed to Logo in a six-weeks unit, on Apple IIe microcomputers.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	Secondary	Apple IIe, IBM XT
FTE Accounting	Secondary	IBM XT
Inventory Accounting	Secondary	Apple IIe
Grade Reporting		
Student Records	All	Apple IIe, IBM XT
Media Management		
Instructional Management		
Guidance/Counseling	Secondary	Apple IIe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

IBM XT at Okeechobee High School is used for communication with Tallahassee through Lee County to satisfy data requirements mandated by Department of Education.

District : Orange County Public Schools
Name of Contact : H. Dale Brushwood
Title : Sr. Administrator of Instructional Computing
Address : 434 N. Tampa Ave
City/Zip : Orlando/32802
Phone : (305)423-9235
Suncom : 329-1767

Instructional Uses	Grade Level	Brand of Computer in Use
Computer Literacy	K-10	Apple-Radio Shack
Early Childhood	K-3	Apple
Computer Programming	6-12	Apple-Radio Shack-IBM
Reading/Language Arts	K-12	Apple
Science	9-12	Apple
Mathematics	9-12	Apple-Radio Shack-IBM
Social Studies	7-12	Apple-Radio Shack
Foreign Language/ESL	K-6	Apple
Physical Education	K-12	Apple-Radio Shack
Life Basic Skills	7-12	Apple
Tool(Word proc.,data bases)	9-12	Apple-Radio Shack
Business Education	9-12	Radio Shack
Other Vocational Education	9-12	Apple-Radio Shack-IBM
Home Economics	10-12	Apple
Career Education	K-9	Apple
Exceptional Education	K-12	Apple
Instructional Management	K-9	Apple-Radio Shack
Journalism	10-12	Apple-Radio Shack
Guidance/Counseling	7-12 (DISCOVER)	IBM Mainframe

Elementary: K-8 Computer Literacy Curriculum implemented 1984-85.
Computerized Reading Management System in use.
Computerized Mathematics Management System in use.
Gifted Program utilizing Microcomputers.
CAI taking place at all grade levels.
Chapter I making extensive use of computers in their program.

Junior: Introduction to Computers, Computer Applications and Introduction to Programming courses available. Business Education-Introduction to Word Processing. NDN Project QUILL facilitator at Jackson Jr High School.
Computer lab located in all Junior High Schools.

Senior: Complete Computer Education Curriculum offered, from Introduction to Computers to A.P. Computer Science.
Each High School has at least two complete classrooms of microcomputers for Computer Education Courses.
Reading resource rooms have microcomputers.
Physics teachers have microcomputers in classroom.
Business Education departments have networks of microcomputers.
Athletic departments using micros for eligibility and sports statistics.
Alternative Ed using computers for student use as well as record keeping.
Winter Park High School is a demonstration site for a MacIntosh Lab complete with 15-512K Macs, 5 imagewriter printers and a lazer printer.

Administrative Uses	Level	Brand of Computer in Use
Library	All	Apple - IBM
Band	10-12	Apple
Athletic Eligibility	7-12	Apple-Radio Shack
Internal Accounts	Some Secondary	Radio Shack-IBM PC
Student Attendance	Secondary	Radio Shack-IBM PC
FTE Accounting	All	
Inventory Control	All	Provided at district level
Grade Reporting *	All	via IBM Mainframe.*Terminal
Student Records *	All	network each school
Student Scheduling *	Secondary	

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K-12

District : Palm Beach
Name of Contact : E. Reid Harvey
Title : Director of Instructional Computer Services
Address : 3323 Belvedere Road
Bldg. 502-A
City/Zip : West Palm Beach, FL 33402
Phone: (305)684-5277
Suncom 472-5277

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	IBM PC's & PCjr's
Computer Programming	6-12	IBM PC's & PCjr's
Reading/Language Arts		
Science		
Mathematics		
Social Studies		
Foreign Language		
Tool (word proc., data bases)	K-12	IBM PC's & PCjr's
Business Education	7-12	TRS-80, IBM PC's
Other Vocational Education		
Exceptional Ed. (specify)	K-12	IMB PC's & PCjr's
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

A) The Instructional Computer Department has established computer labs in all schools.
B) In the elementary schools a computer literacy program has been implemented at grades 2 and 4, to be expanded to all grades next year.
C) In the middle/junior high schools the curriculum includes a 9 week computer literacy course at grade 7 and semester programming courses using LOGO and BASIC at grade 8.
D) In the high school, curriculum includes semester courses in computer literacy, computer applications and programming courses using BASIC and Pascal.
E) Adaptive devices are being provided to allow physically impaired students to access computers.
F) A research site for software and network evaluation has been set up.
G) Through the Business Department keyboarding and computer application courses are offered, grades 7-12.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	K-12	Tandy 6000
FTE Accounting	K-6	Tandy 6000
Inventory Accounting		
Grade Reporting	K-12	IBM Mainframe
Student Records	1-5, 6-12	Tandy 6000, IBM Mainframe
Media Management		
Instructional Management	K-5	Tandy 6000
Guidance/Counseling	9-12	IBM Mainframe
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

At the elementary school level, the Tandy 6000 system with Xenix and 15 meg hard drives does student demographic information, daily attendance accounting, and curriculum objectives management, with the aid of Scan-Tron 1200 optical scanners. The system has the (non-installed capability of managing exceptional student records and calculating FTE reports.

At the high school level, the Tandy model 12 system with TRS-DOS and 15 meg hard drives does period by period attendance accounting.

K-12

District : PASCO
Name of Contact : Peter B. Bruggink
Title : Supervisor of Instructional Media & Computing
Address : 7205 U.S.Highway 41
City/Zip : Land O'Lakes, Fl. 33539
Phone: (813) 996-3600
Suncom 597-1456

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used		
		Apple IIe/	IBM PC/	TRS-80 III-4
Computer Literacy	K-12	x	-	-
Computer Programming	9-12	x	x	x
Reading/Language Arts	K-12	x	-	x
Science	K-12	x	-	x
Mathematics	K-12	x	x	-
Social Studies	K-12	x	-	-
Foreign Language	7-12	x	-	-
Tool (word proc., data bases)	7-12	x	x	x
Business Education	7-12	-	x	-
Other Vocational Education	7-12	x	-	x
Exceptional Ed. (specify)	K-12	x	-	x
Other (specify) SAT preparation	10-12	x	x	x

Brief description (Elementary, Middle/Jr., Secondary):

Typical hardware configuration in 20 elementary schools: 10 Apple IIe;
in 7 middle schools: 22-27 Apple IIe;
in 4 high schools: 10-20 Apple IIe and/or TRS-80,III,4;
in 1 high school: 19 IBM PC's
in 1 high school: 40+ TRS-80 III,4;
in Vocational High School: 15+ IBM PC's & System 36

Administrative Uses	Level (Elem., Sec. or All)				Brand and Model of Computer(s) Used	
	Elem./	Sec./	All/	Extent of Use	Apple IIe /	TRS-80 III
Internal Accounts	-	-	x	L	x	-
Student Attendance	-	-	x	L	x	x
FTE Accounting	-	x	-	L	x	-
Inventory Accounting	-	-	x	M	x	x
Grade Reporting	-	-	x	L	x	x
Student Records	-	-	x	M	x	x
Media Management	-	-	x	M	x	-
Instructional Management	x	-	-	M	x	-
Guidance/Counseling	-	x	-	M	x	-
Other (specify) Personnel records	-	-	x	M	x	x

Brief description (Elementary, Middle/Jr., Secondary):

Staff at each school has access to at least one computer system with word processing software and file management (data base management) software. Most uses of micros at school and at District level are based upon files created on this general applications software as opposed to using special application programs. Secondary schools have terminals to district mainframe for student record managements. Guidance uses career/college information software on hard disk drive systems. A generic computer management program was implemented in all elementary schools.

District	:	PINELLAS
Name of Contact	:	Margaret Hackworth
Title	:	Supervisor, Computer Education
Address	:	205 4th Street SW,
City/Zip	:	Largo, Florida 33540

K-12

Phone: (813) 585-9951
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	5 and 8	TRS-80 Color Computer 2
Computer Programming	8 through 12	Apple, TRS-80 Models III, 4, COCO2
Reading/Language Arts	There are a variety of	
Science	CAI projects in grades	
Mathematics	K - 12 in all subjects	
Social Studies	and special education	
Foreign Language		
Tool (word proc., data bases)	K - 12	Apple, TRS-80 Models III, 4, COCO2,
Business Education	7 - 12	1000
Other Vocational Education	7 - 12	
Exceptional Ed. (specify)	K - 8 and growing	
Other (specify)	K - 3 Chapter One	

Brief description (Elementary, Middle/Jr., Secondary):

Compute- Literacy - Ten-hour awareness program at grade 5. Introduction to Computers one-semester course at grade 8. Two weeks minimum competency at grade 8.
Computer Programming- BASIC, Pascal, Advanced Placement, Intro to Computers, Computer Applications in high school. Intro to computers at grade 8.
Computer Assisted Instruction - at every grade level and expanding
Business Education - All subjects computerized in high school. Expanding at middle school.
Vocational Education- Some computer repair and computer aided design.
Chapter I - Prescription Learning System at grades K - 3.
Teacher Training - Computer training laboratories for administrative and instructional computing at Largo Curriculum and Instruction Center.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All elementary centers on a	distributed processing network
Student Attendance	using TRS-80 model 6000s and	Xenix operating system to do
FTE Accounting	many of the uses listed at	left.
Inventory Accounting		
Grade Reporting	Middle and high schools are	next.
Student Records		
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Distributed processing network in all elementary schools tied into a minicomputer which accesses the county mainframe. Computerized reading and mathematics management systems at elementary level plus student census, ESE information, word processing. Data entry and test scoring by scanner.

K-12

District	:	Polk
Name of Contact	:	Ward Hurst
Title	:	Program Supervisor Instructional Computing
Address	:	P. O. Box 391
City/Zip	:	Bartow, FL 33830

Phone: (813) 534-2267
Suncom 541-2267

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe, IIc
Computer Programming	7-12	Commodore 64, PET
Reading/Language Arts	K-12	Radio Shack III, IV
Science	K-12	IBMPC
Mathematics	K-12	
Social Studies	K-12	
Foreign Language	7-12	
Tool (word proc., data bases)	4-12	
Business Education	7-12	
Other Vocational Education	7-12	
Exceptional Ed. (specify)	K-12 (All)	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

District has a comprehensive curriculum guide for K-12 schools in computer education based on proposed SSAT-I Computer Literacy Standards and 6-12 Course Performance Standards.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	IBM 4331 Mainframe
Student Attendance	All	
FTE Accounting	All	IBM XT
Inventory Accounting	All	
Grade Reporting	All	IBM AT
Student Records	All	
Media Management	Elem	
Instructional Management		
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

IBM Mainframe (4331) currently handles Districts records for payroll, finance, accounts, FTE, grade reporting (1-12), student information, course curriculum, master schedules, free reduced price lunch, health records, etc. We have entered into a micro project using the IBM mainframe on an upload/download via phone lines integrating the 4331 files with IBM XT's and AT's in the areas of basic student records, scheduling, attendance, and discipline. Curriculum management is to follow.

K-12

District : Putnam
Name of Contact : Sidney H. Dunn
Title : Director of Instructional Support Services
Address : 200 South 7th Street
City/Zip : Palatka, FL 32077
Phone: (904) 328-5763, ext. 217
Suncom 696-1217

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple IIe
Computer Programming	K-12	TRS-80
Reading/Language Arts	K-8	
Science	K-8	
Mathematics	K-12	
Social Studies	K-8	
Foreign Language		
Tool (word proc., data bases)		
Business Education	7-12	
Other Vocational Education	K-12	
Exceptional Ed. (specify)	K-12	
Other (specify) Chapter I	K-6	

Brief description (Elementary, Middle/Jr., Secondary):

Standards for Computer Literacy have been adopted and the position of Computer Coordinator provided to help the schools implement the standards. Materials are being provided to teachers to enable them to teach the SSAT proposed standards. Computer training is being provided for both faculty and staff.

A keyboarding program stressing primary skills is being used in the kindergarten and first grade classes througout the county. Chapter I uses computers as do the exceptional education classes. In the middle schools, computers are used for programs such as the vocational exploration courses. Computer literacy and programming are taught in computer labs on the high school level along with computer application courses in the business education classes.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		Apple IIe
Student Attendance		TRS-80
FTE Accounting		
Inventory Accounting	6-8	
Grade Reporting		
Student Records		
Media Management	K-12	
Instructional Management	1-6	
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Chapter I individual reading labs' budget and property inventory are kept on floppy disks.

K-12

District : St. Johns
Name of Contact : Pat Schmidt
Title : Director of Media Services
Address : 40 Orange Street
City/Zip : St. Augustine, Florida 32084

Phone: (904) 829-3991
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple, TRS 80
Computer Programming	K-12	Apple, TRS 80
Reading/Language Arts	K-8	Apple, TRS 80
Science	K-8	TRS 80
Mathematics	K-12	Apple
Social Studies	K-12	Apple, IBM PC jr.
Foreign Language		
Tool (word proc., data bases)	9-12	Apple, TRS 80, MacIntosh
Business Education	7-12	Apple, TRS 80
Other Vocational Education	8-11	Apple, MacIntosh
Exceptional Ed. (specify)	K-12, Varying Exc., SLD	Apple
Other (specify)	1-6 , Speech	Apple

Brief description (Elementary, Middle/Jr., Secondary):

All schools have CAI through laboratory or classroom or both.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	Apple, TRS 80, IDS-Superbrain
Student Attendance	All	Apple, TRS 80, IBM PCXT
FTE Accounting		
Inventory Accounting		
Grade Reporting	All	Apple, TRS 80, IBM PCXT, IBM AT
Student Records	All	Apple, TRS 80, IBM PCXT, IBM AT
Media Management	All	Apple
Instructional Management	Elementary	Apple
Guidance/Counseling	Secondary	Apple
Other (specify)		
Student schedules	Middle, Jr. High	Apple

Brief description (Elementary, Middle/Jr., Secondary):

District Santa Rosa
Name of Contact Robert Land
Title Data Processing Manager
Address 801 Caroline St., S.E.
City/Zip Milton 32570
Phone: (904) 623-3663
Suncom

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	All	TRS80, Apple, Commodore
Computer Programming	Secondary	TRS80, Apple
Reading/Language Arts		
Science	Secondary	Apple
Mathematics	Secondary	
Social Studies		
Foreign Language		
Tool (word proc., data bases)	Secondary	TRS80
Business Education	Secondary	TRS80
Other Vocational Education		
Exceptional Ed. (specify)	Administration	TRS80 II
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

A variety of micro computers are used for instructional uses. These programs are moving as fast as the Teachers and Administrators can adjust to the available computer software and technology.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	Middle Secondary	IBM 3081
Student Attendance	Middle Secondary	IBM 3081
FTE Accounting	Middle Secondary	IBM 3081
Inventory Accounting	District Wide	IBM System 3
Grade Reporting	Middle Secondary	IBM 3081
Student Records	Middle Secondary	IBM 3081
Media Management		
Instructional Management		
Guidance/Counseling		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Most of the administrative computer service is provided by Northwest Regional Data Center

District	: Sarasota County School Board	**K-12**
Name of Contact	: P. Charles Hutinger	
Title	: Supervisor, Instructional Computing	
Address	: 2418 Hatton Street	
City/Zip	: Sarasota, Florida 33582	Phone: (813) 953-5000 x162 Suncom 522-1209

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	Middle School, Secondary	Apple IIe, IBM PCjr, IBM PC, TRS-80
Computer Programming	Middle School, Secondary	Apple, IBM PC, IBM PCjr, Tandy Model IV
Reading/Language Arts	All	Apple, IBM, Tandy, WICAT
Science	Middle School, Secondary	Apple, IBM PC
Mathematics	All	Apple, IBM, Tandy, WICAT
Social Studies	All	Apple, IBM
Foreign Language	Secondary	Apple, IBM
Tool (word proc., data bases)	All	Apple, IBM, Tandy
Business Education	Middle School, Secondary	Apple, IBM, Tandy, PDP, NCR
Other Vocational Education	Secondary	Apple, IBM, Tandy, PDP, NCR
Exceptional Ed. (specify)	All Special Ed to AP Pascal	Apple, IBM
Other (specify) Management	All (Grade Book)	Apple, IBM, Tandy

Brief description (Elementary, Middle/Jr., Secondary):

Elementary: The focus for 85-86 school year is in writing. All elementary schools will have a lab of Apples or PCjrs for wordprocessing. Inservice for 2nd grade teachers is underway. Eventually, with more hardware, grades 1-5 will be able to use the labs. Math is next curriculum area to be addressed.

Middle: A Computer Literacy Explo Wheel is underway with a focus on Applications starting 86-87. A pilot project using a WICAT System is underway at an Alternative Middle School.

Secondary: A Computer Science course of studies is being implemented county-wide. Computer Applications is for all students. Programming 1 & 2 use procedural languages. After a year of Programming, students can take either Advanced BASIC, AP Computer Science or Programming III. English teachers are starting to use BRS for literature searches.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	NCR, IBM PC
Student Attendance	All	NCR, IBM, Tandy Model II
FTE Accounting	All	NCR, IBM
Inventory Accounting	All	NCR, IBM
Grade Reporting	All	NCR, IBM
Student Records	All	NCR, IBM, Apple, Tandy
Media Management	All	NCR, Apple
Instructional Management	All	NCR, Apple, IBM PC
Guidance/Counseling	All	NCR, IBM
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Sarasota County is investigating and piloting various Instructional Management Systems. The focus is on benefit to teacher productivity, communication with parents and centralizing capabilities to address county needs, DOE needs and FIRN access.

K-12

District : SEMINOLE
Name of Contact : Gary H. Becker
Title : Director of Media Services
Address : 1211 Mellonville Avenue
City/Zip : Sanford, FL 32771

Phone: (305) 322-1252, X-243
Suncom 389-1243

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12	Apple II, TRS-80 III & IV, Commodore 64
Computer Programming	6-12	Apple II, TRS-80 III & IV, Commodore 64
Reading/Language Arts	K-12	Apple II, TRS-80 III & IV,
Science	4-12	Apple II, TRS-80 III & IV,
Mathematics	2-12	Apple II, TRS-80 III & IV,
Social Studies	2-12	Apple II, TRS-80 III & IV,
Foreign Language		
Tool (word proc., data bases)	4-12	Apple II, TRS-80 III & IV,
Business Education	6-12	TRS 80 III & IV, Apple II, TRS-80 1000
Other Vocational Education	9-12	Apple II
Exceptional Ed. (specify)		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Elementary Schools - Computer assisted instruction; computer education; word processing in language arts.

Middle Schools - Computer Education integrated into exploratory wheel or mathematics program; computer assisted instruction; word processing in language arts.

High Schools - Computer Education including programming in BASIC and PASCAL; Business applications; Computer Assisted Drafting

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	AII	Majority of administrative applications
Student Attendance	SEC	on Wang mainframe with remote micro
FTE Accounting	AII	terminals.
Inventory Accounting	AII	
Grade Reporting	AII	Individual schools also utilize Apple
Student Records	AII	II's with Corvus Hard Disk, TRS-80 Model
Media Management		II's & 16's with Hard Disk, and
Instructional Management	AII	Apple II's and TRS-80 III's & IV's.
Guidance/Counseling	SEC	
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Elementary Schools and Middle Schools - Instructional Management in reading and mathematics utilizing card readers. Internal accounts, inventory, primarily on Apple II series, some TRS-80 Model III's.

High Schools - Attendance and scheduling on Wang mainframe, but also on Apple II with Corvus drive and TRS-80 Models II & 16 with Hard Disk Drive.

K-12

District	:	Sumter
Name of Contact	:	Helen Jones
Title	:	Instructional Supervisor
Address	:	302 W. McCollum Ave.
City/Zip	:	Bushnell, Florida 33513

Phone: (904) 793-7906
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	6-8	Apple IIe
Computer Programming	9-12	TRS-80 I, II, IV
Reading/Language Arts		
Science	9-12	Apple IIe
Mathematics	9-12	Apple IIe
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	9-12	TRS-80 Mod I, II, IV
Other Vocational Education		
Exceptional Ed. (specify)	K-12	TRS-80 Mod III, Color Apple IIe
Other (specify)	K-12	TRS-80, Color Apple IIe

Brief description (Elementary, Middle/Jr., Secondary):

A. Computer Lit. labs have been established at the middle school grades 6-8.
B. Computer programming is offered to all 9-12 students through each Business Education department.
C. Math/Science labs are established at each high school.
D. Exceptional Education - CAI in all subject areas.
E. Chapter I - CAI in math and reading.
F. State Compensatory — CAI remediation of Basic Skills.
G. Computer Literacy labs are being established at all elementary schools (Grades K-5).

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All Schools	TRS-80 Model 12
Student Attendance	Secondary	Telex (mainframe-Lake County)
FTE Accounting		
Inventory Accounting	Food Service	TRS-80 Model 16
Grade Reporting	Secondary	Telex (mainframe-Lake County)
Student Records	All Schools	Telex (mainframe-Lake County)
Media Management		
Instructional Management	K-5 Chapter I	Apple IIe
Guidance/Counseling		
Other (specify)		
Exceptional Education	K-12	Apple IIe

Brief description (Elementary, Middle/Jr., Secondary):

A. All schools internal Accounting Systems are on micro computers.
B. District office Food Service Warehousing/distribution of inventories.
C. Management/Tracking of Chapter I - Test Scores and Remedial Skills.
D. Exceptional Education maintains Student Records (Test data, Staffing, and IEP dates, List of Parents).
E. Human Resource Management System with link-up to Lake County Computers.

District	:	Suwannee	**K-12**
Name of Contact	:	Marvin Johns	
Title	:	Director of Instruction	
Address	:	224 West Parshley Street	
City/Zip	:	Live Oak, FL 32060	Phone: (904) 362-2252 Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	8-10	Radio Shack Model 4
Computer Programming	10-12	Radio Shack Model 4
Reading/Language Arts	7-12	Radio Shack Model 3
Science	9-12	Radio Shack Model 4
Mathematics	7-12	Radio Shack Model 3
Social Studies		
Foreign Language		
Tool (word proc., data bases)	10-Adults	Radio Shack Model 4; IBM PC
Business Education	10-Adults	Radio Shack Model 4; IBM PC
Other Vocational Education		
Exceptional Ed. (specify)	2-5 (Gifted)	Radio Shack Model 3
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Application and use of microcomputers in our school system is fairly new and limited. Primary use is for computer literacy with emphasis on grades 8-12 and vocational use for grades 10-adults. Other use is for the gifted program and other limited miscellaneous use.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	All	Radio Shack Model 12
Student Attendance		
FTE Accounting		
Inventory Accounting	District	IBM PC-XT
Grade Reporting		
Student Records	Secondary	Telex (to NWRDC Mainframe)
Media Management	Secondary	Apple 2e
Instructional Management		
Guidance/Counseling		
Other (specify)	Finance (District)	Telex (to NWRDC Mainframe)

Brief description (Elementary, Middle/Jr., Secondary):

K-12

District : Taylor
Name of Contact : Lawrence Hughes, Jr.
Title
Address : P.O. Box 539
Perry, Florida
City/Zip : 32347

Phone: (904) 584-4984
Suncom

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	6-8	TRS - 80 Models III and IV
Computer Programming		Apple IIE
Reading/Language Arts		
Science		
Mathematics		
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	10-12	TRS-80 Model III
Other Vocational Education	10-12 and Adult	IBM Model 36
Exceptional Ed. (specify)		
Other (specify)	K-6	Apple

Brief description (Elementary, Middle/Jr., Secondary):

Elementary Schools - Computer assisted instructions, computer awareness
Junior High School - One class in Computer Literacy, five classes in Introductory Computer Education under exploratory vocational wheel which changes each six weeks.
High School- Computer Literacy, microcomputing I and II computer applications.
Vo-Tech Center - Computer applications occupational competencies.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	Secondary	NWFRDC TRS 80 Model IV
FTE Accounting		
Inventory Accounting		
Grade Reporting	Secondary	
Student Records	Secondary	
Media Management	Secondary	
Instructional Management		
Guidance/Counseling	Secondary	TRS-80 Model IV, Apple IIE
Other (specify)		III 48K 48K

Brief description (Elementary, Middle/Jr., Secondary):

Junior High School - Student records, media management TRS - 80 model IV

High School - Student attendance grade reporting, guidance counseling, student records (Northwest Florida Regional Data Center)

High School - Media management Apple IIE 48K

K-12

District : Union
Name of Contact : B. R. Foister
Title : Director of Curriculum & Instruction
Address : 55 SW 6th Street
City/Zip : Lake Butler, Fla. 32054
Phone: (904) 496-2045
Suncom 620-5383

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	K-12, Adult	TRS 80
Computer Programming	9-12, Adult	TRS 80
Reading/Language Arts	N/A	N/A
Science	9-12	TRS 80, IBM-PC
Mathematics	9-12	TRS 80
Social Studies	N/A	N/A
Foreign Language	N/A	N/A
Tool (word proc., data bases)	N/A	N/A
Business Education	7-12, Adult	TRS 80
Other Vocational Education	7-12 (Ind.Arts,Agric, Home Ec)	TRS 80, IBM PC
Exceptional Ed. (specify)		
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary): The Union County School District utilizes the TRS 80 Series in a network configuration to provide instruction at the Middle and secondary level in computer literacy and programming. The IBM-PC is utilized in secondary science education.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts	N/A	N/A
Student Attendance	All	IBM-4361
FTE Accounting	All	IBM-4361
Inventory Accounting	All	IBM-4361
Grade Reporting	All	IBM-4361
Student Records	All	IBM-4361
Media Management	N/A	N/A
Instructional Management	N/A	N/A
Guidance/Counseling	Secondary	IBM-4361
Other (specify) Scheduling	All	IBM-4361

Brief description (Elementary, Middle/Jr., Secondary): The IBM-4361 system provides student records and attendance support, inventory control and district FTE summary for all schools. Administrative use of the microcomputer provides word processing, spread sheet, data base management and terminal emulation at the school level.

District : Volusia
Name of Contact : Jack McCabe
Title : Supervisor for Computer Utilization
Address : Post Office Box 1910
City/Zip : Daytona Beach, FL 32015
Phone: (904) 255-6475
Suncom 391-1011

K-12

Instructional Uses	Grade Level	Brand and Model of Computer(s) Used
Computer Literacy	5 - 12	Apple - TRS 80
Computer Programming	5 - 12	Apple - TRS 80
Reading/Language Arts	K - 12	Apple - IBM
Science		
Mathematics	11 - 12	Apple
Social Studies		
Foreign Language		
Tool (word proc., data bases)		
Business Education	9 - 12	Apple - TRS 80 - IBM
Other Vocational Education	10 - 12	Apple
Exceptional Ed. (specify)	1 - 12	Apple - TRS 80
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Computer literacy program in elementary schools at varying degrees. Three of eight schools offer computer literacy for seventh grade students. Programming in BASIC taught at all junior and senior high schools. All Chapter 1 programs use computers for writing. Twenty-six of 35 elementary schools have IBM's "Writing to Read" program for kindergarten. Word processing is taught in the language arts program in various schools, but is not yet available to all students. Several senior high math teachers are using and creating software, and business courses use computers for word processing and accounting. Limited automated drafting is available in senior high schools.

Administrative Uses	Level (Elem., Sec. or All)	Brand and Model of Computer(s) Used
Internal Accounts		
Student Attendance	7 - 12	Mainframe
FTE Accounting	K - 12	Mainframe
Inventory Accounting	K - 12	Mainframe
Grade Reporting	K - 12	Mainframe
Student Records	K - 12	Mainframe
Media Management	K - 12	Apple, Radio Shack
Instructional Management	K - 8	Apple
Guidance/Counseling	7 - 12	Apple
Other (specify)		

Brief description (Elementary, Middle/Jr., Secondary):

Student attendance, FTE, grade reporting, and records are kept on the mainframe and supported by terminals in secondary schools.

Media management is at the exploratory level using DB Master and the Follett program.

All elementary schools are using the Ginn Reading and the Addison Wesley programs with computer record keeping.

Educational Computing Activities

District	-	P. K. Yonge Laboratory School
Name/Title Of Contact	-	Dr. Paul A. Becht, Associate Professor, Director MISIC/ViM Clearinghouse for Interactive Computing, University Of Florida
Address	-	1080 S.W. 11th Street Gainesville, Florida 32611
Phone	-	904/392-1554
Suncom	-	662-1554

Description of Activities

INSTRUCTIONAL PROGRAMS:

1) Write to Read program using IBM PC's with K-1 students.
2) Chapter 1 using Radio Shack Color Computer in center activities.
3) Grade 1 using a TI-99 computer for a learning center involving math and language arts activities.
4) Grades 4 and 5 using Radio Shack MC-10's in computer literacy activities.
5) Grades 6-8 Computeronics course using a Radio Shack Model III laboratory in a Network III system.
6) Grades 9-12, two courses called Computers In Science 1 and 2 offering credit in science applying computers to science problem solving.
7) Computer simulated science laboratories used in the science courses, grades 9-12.
8) Typing courses using a word processor and the Network III Model III TRS-80 laboratory, grades 9-12.
9) Spanish courses involving the computer in a drill-and-practice role, grades 9-12.

RESEARCH AND DEVELOPMENT:

1) Interactive Laser videodisc research investigating the effects of using interactive video activities to teach instructional concepts compared to traditional instructional methods.
2) Developing and evaluating interactive Laser videodisc activities for use in the science classroom.
3) Cost effectiveness study on the effects of using computer laboratory instruction on 8th grade math students versus traditional math instruction.

DISSEMINATION:

1) Seminars and workshops on research and instructional programs are available to educators and schools through Teacher Education Centers or individual consulting.
2) Environmental Education Resource Bulletin Board sponsored by the Bingham Environmental Studies Center at P. K. Yonge. This bulletin board will be on line 22 hours a day starting about March 1985.

Community College

Community College : Brevard Community College
Name of Contact : Willis N. Holcombe
Title : Vice-President of the College
Address : 1519 Clearlake Road
Cocoa,
City/Zip : FL 32922

Phone: (305) 632-1111, X 4700
Suncom 361-4700

Brief description (instructional, administrative uses of technology):

Administrative Applications: A Burroughs 4800 provides the support for accounting, inventory control and student registration and records. The same computer provides identical services for Central Florida and Lake City Community College. A few administrative offices use micro-computers for specialized applications. On July 1, 1986, the College will convert the administrative computer support over to a DEC 11/85 system. At that time we will continue to support Lake City Community College, but Central Florida Community College will pursue their own system.

Instructional Program Support. The College uses mini and micro-computers to support instruction. A Harris 800 has been donated and will be devoted to instructional application. This mainframe should be on-line by January 1, 1986. Current computer applications include:

Computer Programming: IBM System 36. The Cocoa and Melbourne Campuses use twin systems in laboratory settings.

The System 36's were installed in the student computer labs in August, 1983. The system configurations consist of central processing units with 256K of primary memory and 60 megabytes of hard disk (secondary storage). There are 21 IBM 5291 terminals and a 400 lpm printer attached to the CPU on each campus.

Presently, the system supports FORTRAN, COBOL, RPG, and Assembler compilers that students use to program their assigned projects.

Apple IIe and IBM-PC's are used to teach BASIC and PASCAL respectively. The micros are also used in teaching computer literacy and applications.

Drafting: Apple IIe and IBM PC-XT equipment is used to offer an introduction to Computer AIDed Design and to serve as the prelude to CAD and CAE classes; for which equipment remains to be selected and purchased.

Electronic Technology: TRS 80 Model I's and Commodores are used for computer assisted instruction of electronic theory and practical applications of circuit design and testing.

Office Technology: TRS 80 Model II, Apple IIe with CPM, six Harris Lanlers tied to daisy wheel printers, Wang with 3 terminals and a Canon STGLL 5 are all used in the office technology program. A variety of equipment is purposely available to provide broad-based instruction so that students accepting employment may be proficient on a range of equipment from stand-alone micro's, networked micro's, stand-alone word processors to dedicated word processing systems.

Accounting: TRS-80 micros and IBM-PC's are used in the Accounting Lab. These computers are used for balance sheet practice sets, profit and loss statements, and other minor accounting problems. They assist the students in Accounting I and II in the understanding of computerized accounting and reports.

In addition, micro-computers are used in instruction in: Chemistry, Physics, Physical Science, Math, and Physical Education courses. A variety of computer equipment is also used in learning labs. CHOICES, SIGI, and DISCOVER are available via micro-computer. Art Department used Apple's in graphics. Radio Shack Tandy 1000's are used in basic skills in learning labs.

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Community College

Community College : Broward Community College
Name of Contact : Suzanne P. Spahn
Title : Coordinator of Instructional Technology
Address : Central Campus
3501 S. W. Davie Rd.
City/Zip : Ft. Lauderdale, Fl. 33314
Phone: (305) 475-6617
Suncom 469-6617

Brief description (instructional, administrative uses of technology):

Broward Community College, a four-campus institution is proud of its updated use of computer technology. Computers from main frames to microcomputers play a significant role in instructional delivery and administration at B. C. C. Each campus has a unique blend of computers to assist all students and faculty in the acquisition and delivery of knowledge.

Central Campus has Computer Science students working on a PDP 11/34 minicomputer learning computer programming in Basic, Fortran, Cobol, and Pascal. More advanced students have the opportunity to work on an IBM mainframe programming in Assembler, RPG and CICS. Central campus also has a variety of microcomputers in specialized laboratories such as Apple IIe's and Macintosh's with digitizers, koala pads, DAC boards and other peripherals for Art and Music students. Radio Shack Model III, 4, Color and Apple computers are widely use to perform experiments and graph Math functions in the Science and Math departments. Students taking vocational training have an opportunity to use both Apples and a Tarak computer to explore the latest in CAD/CAM drawing and modeling techniques. Data Processing, Business and Office Career majors have use of a fully equipped IBM PC lab for programming and learning popular software packages.

South Campus has a Vax 11/750 computer for use by Business, Office Career and Data Processing students. The Art department also has a Macintosh computer to teach students computer drawing techniques. Two networked Radio Shack Model III/4 computer systems can be found in our Data Processing area which are used for programming, word processing and journalism classes.

North Campus has recently acquired a Gould SEL 840 minicomputer which is being used to teach popular languages such as C, Fortran, Cobol, and Basic. To supplement this array of 32 terminals there are several Radio Shack computers which are used for Pascal and Basic training as well as a fully equipped IBM PC lab for Business and Office Career students. The Reading Lab on North Campus has Apple computers which are successfully being used to improve students' reading abilities. The Music and Art departments develop student's talents via a Wenger Sound Chaser for ear training and musical composition and Art majors can print their masterpieces on a new color graphic printer.

Allied Health campus has been for several years using microcomputers to assist in the training of nurses and respiratory therapists. This computer training includes tutorial, drill and practice, data base retrieval, and clinical simulation .

Add to all this, a complete Learning Resource Computer Lab on all three campuses. equipped with Apple, IBM PC and Radio Shack computers. and over 350 different pieces of software. B.C.C. also operates an electronic bulletin board to foster telecommunications by students and faculty.

Finally we must mention some of the exciting research work which is being done with interactive videodisc and computers. Students soon will be able to use videodisc to study Art History, Astronomy, Music, Physical Science, Physics, Theater and many other subjects.

Community College

Community College : Chipola Junior College
Name of Contact : Donald A. Dellow
Title : Dean of Instructional and Student Affairs
Address : College Street
Marianna, FL 32446
City/Zip :
Phone: (904) 526-2761
Suncom 246-1350

Brief description (instructional, administrative uses of technology):

Microcomputers are used at Chipola Junior College in both the instructional and administrative areas. Microcomputers are used in each of the administrative offices of the college. Wordprocessing, budget development, graphics and data analysis, are completed on IBM PC's in each of the division chairperson's and dean's offices. By the Spring of 1986, the IMB PC's that are distributed across campus for wordprocessing and other administrative activities will be networked to an IBM 36. At that time, the administrative applications will extend into electronic mail and distributed processing of catalogs, schedules, and other materials.

The instructional uses of microcomputers at Chipola Junior College are generally handled through three different laboratories on campus. One micro lab contains eight Commodore SuperPets. That lab, located in the Learning Resource Center (LRC), is used for short courses in wordprocessing, spreadsheeting, and programming in BASIC, FORTRAN, and COBOL. Students use the Commodore lab for their own wordprocessing needs when structured classes are not using the lab. A second lab of Apple II's is also located in the LRC for computer literacy courses and remedial work in the content areas. Eight Apples are utilized with extensive software holdings in remedial math and science. Eight IBM PC's are located in a lab adjacent to the college data center. The IBM PC lab is currently used for a variety of courses in data processing, computer literacy, and programming. In addition, it has been used for computer literacy training of faculty and staff. Students who write for the student newspaper on campus use the IBM PC's for their wordprocessing capabilities.

Chipola Junior College is experimenting with the interactive video disk technology in the science areas. Sample lessons in the sciences will be developed for instructional and review purposes.

In the Fall of 1985 all English composition courses <u>required</u> students to write at least fifty percent of their themes in a new Apple lab of 18 microcomputers.

Community College

Community College : Daytona Beach Community College
Name of Contact : Leonard Smoke
Title : Director, Educational Media
Address : 1200 Volusia Ave

Phone: (904) 254-3045
Suncom 362-3045

City/Zip : Daytona Beach, Fla. 32015

Brief description (instructional, administrative uses of technology):

Computers are used in the Computer Science Department for laboratory instruction in computer concepts and computer programming.

Radio Shack TRS-80 microcomputers are used for computer concepts and Engineering Computer Programming instruction using BASIC. Engineering Computer Programming students also are introduced to FORTRAN, and the Assembly-Language Computer Programming students also use the TRS-80 for assembly-language programming.

A Prime Computer model 2250 is used for instruction in FORTRAN 77, COBOL, RPG, PL/I, and PASCAL programming in courses such as Introduction to Computer Systems, Commercial Computer Programming, RPG Programming with Business Applications, Computer Programming and Operations, and Computer Programming I and II. IBM Personal Computers are also available for FORTRAN 77 and PASCAL programming.

The Microprocessor Systems and Programming course uses 8080 microprocessors, TRS-80's, and IBM Personal Computers.

Time on a Burroughs B6700 computer system is used for simulated IBM 370 Assembler and for some COBOL instruction.

Presently, computers are used in the Adult Basic Education Program at two of our locations. On the main campus, Apple IIe computers are used to supplement instruction in both the regular basic education and English as a Second Language classes. During the Winter Term 1986, a systematic approach will be devised so that all students will have the opportunity to use the computers.

At the Campbell Adult Center, a class in Computer Literacy on a very basic level is offered for our students. The computers will also be used to supplement instruction in the future.

The college's off-campus centers also utilize microcomputers. They are used in teaching computer courses ranging from basic keyboard classes to advanced computer courses. In the office computers are used for all registration for college credit classes and adult high school.

The Learning Resource Center at DBCC has an open microcomputer lab containing 12 Apple IIe's and 4 TRS-80 Model III's. The purpose of the lab is to make computer-assisted-instruction available to students with a yen for independent learning. Software is chosen using the same criteria that applies to the selection of other materials: can the student use it independently?

The student who needs or wants to brush up on solving binomial equations, the one who is composing a term paper using one of the word processing programs, or studying for the CLAST, or learning to program in BASIC, or the one who just wants to find out what makes computers tick; these all eventually come to the LRC's microcomputer lab.

Microcomputers are primarily employed in the following capacities in the Institutional Research department: data analysis, survey/questionnaire tabulation, report generation, graphics preparation, database development, enrollment projections, and communications with remote data bases.

The Chemistry Division in the Science Department is currently using two sets of commercial diskettes; one for Organic Chemistry and another for Introduction to Chemistry. Additionally, a set of drill and practice diskettes (16 in number) has been developed in-house for use in the course.

Microcomputers are used in the college's Auto-tutorial lab for, computer assisted instruction regarding theory and skills simulation, drill and practice (medication calculation, medical terminology), testing, keeping and computing grades, and filing and data collection.

Two microcomputers are in use in the Learning Support Center. 1) Handicapped Student Services — Microcomputer with voice synthesizer is used primarily by visually impaired students who are enrolled in Computer Science courses. Students are provided the opportunity to practice skills taught in the classroom through the utilization of this specialized equipment. 2)Tutoring Lab — Computer assisted instruction is available to allow students to upgrade basic skills and for reinforcement of CLAST skills.

Students in Human Nutrition classes are finding that using the computer to assist them with their dietary analysis is not only time saving, but is fun and informative as well. Balancing their energy intake and energy output, comparing the nutrient intakes with the Recommended Dietary Allowances, and acknowledging the suggestions for dietary improvements are a few of the activities the computer is used for.

Plans are underway for the development of a computer-assisted instructional mode for the self-paced sections in Human Nutrition. The computer will be used for pre- and post-testing and for instructional assistance through learning activities, dietary problems, case studies, nutrient analysis, and study questions.

Computers are being used in the Information Systems Department to provide training and experience in both COBOL and BASIC programming, computer operations and application software uses.

Students enrolled in the Data Processing degree program have the opportunity to use microcomputers of various types as well as terminals connected to a minicomputer. Word Processing students operate personal computers and other types of multi-function terminals including dedicated word processors.

The types of terminals currently in use are: IBM-PC, Apple IIe, TRS-80, Honeywell, NBI 3000s, IBM Displaywriter.

The IBM-PC's and the Honeywells communicate with the Prime 6520 minicomputer.

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Community College

Community College : Hillsborough Community College
Name of Contact : Don George
Title : Director, Data Processing
Address : Hillsborough Community College Computer Center
Ybor City Campus
City/Zip : P.O.Box 75313
Tampa, Fl 33675
Phone: (813) 247-6641 x254
Suncom

Brief description (instructional, administrative uses of technology):

INSTRUCTIONAL:

Hillsborough Community College recently (August, 1984) installed an Academic/Instructional Computer network, which has linked the four instructional campuses into one central computer network. The network consists of a Digital Equipment Corporation VAX 11/780 Computer, 29 Digital Rainbow Microcomputers, 26 Digital VT220 Terminals, 4 Digital LA100 printers, 3 LA 36 terminals, 4 ADM 5A terminals, 4 SOROC terminals, 3 Tektronix 4010 graphics terminals, and 1 Tektronic 4006 graphic terminal.

In addition to the new Academic/Instructional network, Hillsborough Community College utilizes an IBM System /34 Computer with 16 terminals in the Data Processing Curriculum.

Hillsborough Community College also has established 4 microcomputer Clusters consisting of Apple-2E's dedicated to serve the basic skills programs. In addition a variety of microcomputers, including TRS 80's are being utilized in the Secretarial Science Program.

ADMINISTRATIVE:

The Administrative units of the college are currently supported by an IBM - s/370-138 host computer serving a limited function online network of 40 terminals across all campuses and the District Administrative Office. Some IBM-PC microcomputers have been acquired to support a few independent office functions but there is no link to the host system. Word processing equipment has been installed throughout HCC.

Hillsborough Community College is presently undergoing a review process to select all new administrative hardware and software. The focus of this project to is to develop the foundation for M.I.S. and various ways of introducing network micro technology into the newly established administrative data processing network.

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Community College

Community College	:	Indian River Community College
Name of Contact	:	Jack Maxwell, Ph.D.
Title	:	Chairman of Data Processing
Address	:	3209 Virginia Ave
City/Zip	:	Ft. Pierce, FL 33450

Phone: (305) 464-2000 ext. 590
Suncom

Brief description (instructional, administrative uses of technology):

Description of Activies:

Indian River Community College has labs of TRS-80 model II and of IBM-PC microcomputers on all four of its campuses and at several off-campus sites. Courses are given on subjects ranging from an introductory course on the common uses of mircocomputers up to the writing of programs in such high level languages as FORTRAN, COBOL and PASCAL. Also, Assembler programming and a two semester sequence in BASIC are offered in addition to Systems Analysis and an overview course about Data Processing.

Both the A.S. and the A.A. degrees in Computer Science are offered.

Also the college has put into service a mobile teaching lab with 10 IBM-Pcjrs on board. This is used at sites throughout IRCC's service district.

Furthermore, IRCC has offered specialized courses for K-12 school employees, for city employees, and for hospital employees. Other microcomputing systems are in the Home Economics Department and in the Vocational Rehabilitation Department.

Community College

Community College : Lake City Community College
Name of Contact : Martha C. Yopp, Ed.D.
Title : Department Chair, Business, Marketing Management, & Computer Science
Address : Rt. 7, Box 378
City/Zip : Lake City, FL 32055
Phone: (904)752-1822
Suncom Ext. 351, 356, 366

Brief description (instructional, administrative uses of technology):

Lake City Community College offers a degree in Computer Programming and a certificate in Data Entry. We are hoping to have an AS degree in Computer Information Systems by 1987. Business majors are required to take Business Applications for the Microcomputer and all Office Systems Technology majors (clerical/secretarial) are required to take two semesters of word processing.

We currently have three microcomputer labs and a PRIME mini-computer for instructional use. We have a TRS-80 Network 4 lab, an Apple II-e lab, and a PC MS-DOS lab. We will be installing a local area network (LAN) tying 16 Personal Computers together.

Lake City Community College received a post-secondary improvement grant to develop one three credit hour course for each of our Associate of Science programs. Computers for Forestry Majors will be piloted in the Spring of 1986. Individual courses are being developed for Nursing, Golf Course Operations, Landscape Design & Sales, Criminal Justice/Police Science, Marketing, Accounting, and Electronics Technology.

Administrative Computer Support is tied in with Brevard Community College. We recently decided to tie LCCC to Brevards new DEC system. Tier One of a three phase process will take place in 1986.

The president of Lake City Community College wants to implement an office automation system within the next two years. This is in the planning phase. Instructional Computing includes the following courses and concepts:

- Introduction to Computing
- BASIC
- Pascal
- Fortran
- COBOL
- RPG
- Intermediate Programming
- Advanced Programming
- Data Entry
- Computer Operations
- SCRIPSIT
- Super Scripsit
- Word Star
- VisiCalc
- dBase II
- Word Processing I and II
- Business Computers I and II
- C (spring 1986)
- Ada (summer 1986)
- Word Perfect (spring 1986)
- SuperCalc (spring 1986)

The LRC uses a PC and hopes to continue automating. The math and science departments are exploring innovative ways to use microcomputers for computer aided instruction, and the Individualized Learning Center uses a microcomputer to do developmental prescriptions for academically deficient students.

Community College

Community College : Lake-Sumter Community College
Name of Contact : Mary Caponi
Title : Division Chairman, Business/Technology
Address : 5900 S., Highway 441
City/Zip : Leesburg, FL 32788
Phone: (904) 787-3747 ext. 250
Suncom 387-1250

Brief description (instructional, administrative uses of technology):

Lake-Sumter Community College makes use of a main frame and a variety of microcomputers to support the administrative and instructional activities of the College.

The College owns an IBM 36 main frame system which supports 20 terminals used for administrative purposes (registration, business office, personnel, etc) and 15 terminals used by students in computer science and data processing. The IBM system is scheduled to be updated or an IBM 36 purchased for student use this academic year.

MAIN CAMPUS

The Department of Data Processing and Computer Science - This department maintains two computer classrooms--one with 14 IBM terminals and 11 IBM PCs and another classroom with 15 TRS-80 Model III systems. These rooms are used for all computer programming and lecture/laboratory classes. The College also has a centralized computer laboratory equipped with 12 IBM PCs, printers, and a networking system. This laboratory is open for day and evening hours and is staffed with competent student assistants. All students may use this laboratory whether in the data processing/computer science or any of the other computer-related programs on campus. Presently, students from the business department, math department, science department and English department are utilizing this laboratory.

Occupations Laboratory - This laboratory is equipped with a variety of microcomputers (IBM PCs and TRS-80 Models II and III) in addition to five (5) dedicated word processors, electronic typewriters, and calculating machines. This room is used for classes during the morning hours; however, in the afternoon and evening, it is reserved for laboratory practice. Students from all departments and divisions use this facility. A paraprofessional staffs the occupations laboratory.

Weekend College and Short Course Programs - These courses are being offered on weekends using commercial software packages and the computers in the centralized computer laboratory.

The Business Department - The accounting students are using a business education room which is equipped with ten (10) IBM PCs. This room is also used for personal typewriting classes (which includes keyboarding on computers), and any other keyboarding classes.

The Electronics Department - This department has a Tandy 2000 for programming instruction, modeling and graphics.

CLERMONT CENTER

The Business and Technologies Division has eight (8) TRS-80 microcomputers at this offsite center. These computers are being used for computer literacy and basic programming courses.

Community College

Community College	:	Manatee Community College
Name of Contact	:	Robert D. Campbell
Title	:	Chairman, Division of Mathematics, Science & Technology
Address	:	8000 S. Tamiami Trail
		P.O Box 8996
City/Zip	:	Venice, FL 33595

Phone: 813 493-3504
Suncom 560-2429

Brief description (instructional, administrative uses of technology):

Manatee Community College continues to take advantage of computer technology in many areas.

Microcomputer labs are increasingly being used to supplement instruction in many academic disciplines, including mathematics, statistics, business, social science, nursing, science, and English.

The Computer Planning and Review Committee oversees the acquisition of computer hardware and software at the college. This committee ensures the coordination of such acquisitions.

The South Campus of MCC continues to house the Center of Excellence in Instructional Computing. This Center provides an outstanding resource for instructors interested in utilizing computers in their teaching. The resources available include a great many software packages, various hardware devices, trained staff, and a library of journals and texts on instructional computing.

The South Campus recently installed a DEC VAX 11/750 minicomputer system for instructional purposes. In addition to compilers for many programming languages, the system is equipped with several software packages for computer-assisted instruction.

The South Campus has recently completed its FIRN project, whereby its minicomputer system is linked to the Florida Information Resource Network. This project is designed to demonstrate the use of FIRN for instructional purposes. The South Campus is now engaged in several activities of such a nature.

The South Campus has initiated a new A.S. degree program in Computer Electronics. This program takes advantage of videotapes, computergenerated lab assignments, and computerized exams to make training (and re-training) in this field very accessible. The instructional staff is freed up to provide one-on-one assistance and students are not bound by traditional time-lines. This degree program focuses on the analysis, design, construction and trouble-shooting of computer systems.

The Bradenton Campus has installed a DEC VAX 11/750 for instruction in CAD/CAM. Working in conjunction with the opening of a large Siemens-Allis design and manufacturing facility, M.C.C. has established an outstanding CAD/CAM program utilizing highly sophisticated computer hardware.

The Bradenton Campus hosted a digital electronics workshop for postsecondary instructors last August. The same instructors, from M.C.C.'s Technology Department, will be conducting three two-day workshops in digital and microprocessor electronics at three different locations in the state during 1986.

In the area of administrative computing, an IBM 4341 serves both campuses with an on-line registration system, a payroll system, an accounting system, and several other administrative functions. It is expected that this system will be significantly upgraded in 1986, and that departmental access via microcomputers will greatly increase.

Community College

Community College : Miami-Dade Community College
Name of Contact : Dr. Kamala Anandam
Title : Director, Co-puter-based Instructional Development & Research
Address : 11011 S.W. 104 Street
City/Zip : Miami, Florida 33176
Phone: (305) 347-2551
Suncom 477-2551

Brief description (instructional, administrative uses of technology):

STUDENT PROGRAMS

Business Data Processing labs offer training in various programming languages, operating systems, and software packages in maxi, mini, and microcomputer environments (Lincoln Andrews, Eloisa Paez, Bruce De Sautel).

CAD/CAM training is provided for software such as CADAPPLE and AUTOCAD (Harry Hoffman).

CAI is provided in the following curriculum areas: **Accounting** (Phillip Mills), **Anatomy** (Tom Miller), **Architecture** (Gene Grossholz, Oscar Larrauri, Jorge Pupo), **Career Exploration** (Frank Digges, Gloria Tuckfield), **Chemistry** (Ed Leddy, Irving Lillien), **Commercial Art** (Paul Gillespie), **Electronics** (John Pistorino), **Information Skills** (David Jenrette), **Math** (John Corwin, Dale Grussing), **Music** (Jane Pyle), **Natural Science** (Arnold Fleisch, Brad Lawrence), and **Secretarial Careers & Office Technology** (Elizabeth Forrester, Pat Hodges, Lynn Forrester, Ida Gropper). **Special modifications** are made to meet the needs of disabled students (Paula Epstein, Colleen Fix, Bob Joyce).

CMI is provided in the following curriculum areas: **Anatomy & Physiology** (Bill Weaver), **Chemistry** (John Morris), **CLAST preparation** (Lorne Kotler), **ESL programs** (Mary Di Stefano, Juan Perez), **General Education** (Lorne Kotler), **Health Analysis & Improvement** (Bill Alheim, Roberta Stokes, Willie Warren), **Honors Program recruitment** (George Emerson), **Math** (Matt Baloff, Bill Palow), **Reading** (Karen Bullitt, Joyce Crawford, Sue Kahn), **Respiratory Therapy** (Karen Dillman), **Study Skills** (Gail Press), **Telecourses** (Susan Wilson, Open College), **Writing** (Lorne Kotler). The CMI software packages (developed at Miami-Dade Community College) are **RSVP** (**R**esponse **S**ystem with **V**ariable **P**rescriptions) and **CAMELOT**...**T**he **I**ndividu**a**lized **I**nformation **S**ystem. In addition, a test-bank system called GENIE is also used in some of the applications.

RESEARCH AND DEVELOPMENT

The **Division of Computer-Based Instructional Development & Research** supports instructional computing at Miami-Dade in the development of CMI courseware for RSVP and Camelot, as well as for interactive video. Areas of research encompass descriptive statistics summarizing levels, types, and frequencies of usage in CMI programs, as well as experimental studies measuring effectiveness and impact. The Division is currently developing an item-banking and test-generating system. (Division Director: Kamala Anandam)

COMMUNITY PROGRAMS

The **Center for Business and Industries** (Maureen O'Hara), the **Microcomputer Institute** (R. Ward Abronski Jr.) and the Center of High Technology (John Corwin) offer a broad range of seminars and workshops to the community.

Community College

Community College : Pasco-Hernando Community College
Name of Contact : Harlow E. Kendig, Jr.
Title : Director of Management Information Services
Address : 2401 State Highway 41 North
City/Zip : Dade City, Florida 33525
Phone: (904) 567-6701 X42
Suncom 572-1142

Brief description (instructional, administrative uses of technology):

ADMINISTRATIVE:

The District Administrative Office is currently supported by a Burroughs B1990 dual processor serving an online network of 32 video terminals and 10 printers across all campuses. The network supports admissions, registration, financial aid and the business office. There are five IBM-PC microcomputers and attached printers that have been acquired to support a few independent office tasks and are linked to the Burroughs mainframe.

INSTRUCTIONAL:

In February 1985, the college installed a Burroughs B1865 mainframe for Instructional Data Processing. The current computer network supports two labs with 20 video terminals and two printers.

Pasco-Hernando Community College also has established three microcomputer labs with fourteen Radio Shack Model III's in each lab. The business labs include several IBM-PC and Tandy 1000 microcomputers.

Community College

Community College : Pensacola Junior College
Name of Contact : Lister Wayne Horn
Title : Dept. Head, Computer Science
Address : 1000 College Blvd.

City/Zip : Pensacola, FL 32504

Phone: (904) 476-5410 ext. 2021
Suncom

Brief description (instructional, administrative uses of technology):

Pensacola Junior College makes use of a variety of mainframe, mini and microcomputers to support the administrative and instructional activities of the college.

The college owns a dual Burroughs B6900 mainframe system which supports 50 terminals used for administrative purposes (registration, business office, personnel, etc.) and 14 terminals used by students. The B6900 system is scheduled to be replaced by a dual Burroughs A9 system this year. Students also have access to the state university computing system (NERDC) through the Burroughs system.

MAIN CAMPUS

The Department of Computer Science maintains a student computing lab at the main campus. This lab is equipped with 13 Burroughs terminals, 19 TRS-80 III systems and 24 IBM PC systems. The lab is used by all computer science, math and science students for programming, CAI and problem solving. The Department of Business Education makes use of a word processing lab equipped with 16 IBM PC's. The Music and Drama Department uses an Apple IIe for instruction in music theory. The Chemistry Department owns one IBM PC used to develop instructional software. The Engineering and Construction Department uses 9 IBM PC's, a Hewlett Packard minicomputer with 4 terminals and a TRS-80 III to provide students with access to engineering programming and computer assisted drafting. The Behavioral Sciences Department uses an Apple IIe to develop psychology software for students. The Mathematics Department has 1 Kaypro 4e and 1 TRS-80 Model II used for problem solving. The Industrial Technology Department has 8 assorted micrcomputers used for programming instruction. The Art Department has an Apple Macintosh used by art students for computer graphics. The Learning Resources Center owns a TRS-80 Model 12 used for cataloging. The LRC also provides a computer lab with 4 TRS-80 Model II systems, 6 Apple IIe systems and 2 IBM PC's. The lab is used to support adult education courses and for computer assisted instruction. The Business Administration Department uses 1 Burroughs terminal to support a business simulation.

WARRINGTON CAMPUS

The Department of Business Education and Computer Science has 8 TRS-80 Model II systems and 15 IBM PC systems to support computer science courses and word processing. The Allied Health Department has a TRS-80 II system used to support a medical records course.

MILTON CAMPUS

The Milton Campus has a student computer lab equipped with 6 TRS-80 Model II's and 2 TRS-80 Model IV's used by computer science students.

Community College

Community College : Polk Community College
Name of Contact : Marilyn J. Correa
Title : Coordinator of Business Data Processing
Address : 999 Ave. H, N.E.
City/Zip : Winter Haven, Florida 33881
Phone: (813) 297-2000 ext 5246
Suncom 580-1033

Brief description (instructional, administrative uses of technology):

Administrative use of computers is primarily based on a Burroughs B1955 mainframe computer. Microcomputers are used, but on a most limited scale. It is anticipated that they will be introduced in 1986 for use by the second level of administrators.

Educational use of computers depends upon the subjects being taught. A computer resources center will open in January, 1986. It consists of:

a. A Burroughs B1855 mainframe computer. This is used by students programming in high level languages. It is also used as a training vehicle for computer operations.

b. Twenty IBM PC's and AT's. These support instruction in BASIC, Accounting, Programming Techniques, and some programming in high level languages. In addition, software packages such as spreadsheets, databases are available to instruction and student use.

Other computers located in classrooms provide stand alone devices for teaching secretarial level word-processing and CAD for engineering graphics.

Community College

Community College : St. Johns River Community College
Name of Contact : Mr. James D. Shaddix or Richard A. Clark
Title : Director of Business & Technical Education Data Processing Manager
Address : 5001 St. Johns Avenue
City/Zip : Palatka, Florida 32077
Phone: (904) 328-1571
Suncom 646-1126

Brief description (instructional, administrative uses of technology):

The College offers an Associate in Science Degree in Data Processing Technology and in Word Processing plus additional courses in business applications. Languages offered include BASIC, FORTRAN, COBOL and RPG. Equipment utilized includes 14 IBM PC/XT/AT and 18 Radio Shack microcomputers along with the IBM System 34. The College remains current by acquiring the most modern hardware and software.

Administratively the College utilizes the IBM System 34 and IBM PC/XT/AT's for the great majority of information processing requirements. Remotes are located throughout the campus and the Orange Park Center of the College is also on-line.

Community College

Community College : St. Petersburg Junior College
Name of Contact : Tom Lang
Title : Director, Division of Business
Address : P. O. Box 13489

City/Zip : St. Petersburg, Florida 33733

Phone: (813) 341-4677
Suncom 584-0011

Brief description (instructional, administrative uses of technology):

St. Petersburg Junior College has continued its commitment to keep current with the advances in technology and to provide students, faculty, and administration access to these new technologies.

St. Petersburg Junior College has increased its instructional computing capacity during the past year through the addition of an IBM 4361 mainframe for instructional computing. It currently serves three sites--Clearwater Campus, St. Petersburg Campus, and the Tarpon Springs Center. In addition, an IBM System 34 is now located on both the Clearwater Campus and the St. Petersburg Campus.

Personal computer labs are located on four (4) sites-- Clearwater Campus, Health Education Center, St. Petersburg Campus and Tarpon Springs Center. Two labs on the Clearwater Campus have a local area network (LAN) environment while the others are in a stand alone environment.

For additional instruction, the Learning Support Center and Alternate Instruction Center have Apples computers, and the Clearwater Campus has IBM P.C.'s in a local area network configuration. To better serve our community, there are ten (10) portable IBM P.C.'s that are taken to industry locations for instruction.

The Engineering Technology programs on the Clearwater and St. Petersburg Campuses are served by networked AT&T Systems using the Unix Operating System. These networks communicate with the IBM 4361 mainframe.

Through the Weekend Computer Institute and Industry Computer Training Program, St. Petersburg Junior College provided training to over 5,000 people per year, in addition to having over 1,500 students seeking degrees in computer-related areas.

Community College

Community College : Seminole Community College
Name of Contact : Wilbur P. Dershimer, Jr., Ed. D.
Title : Chairman, Information Processing Department
Address : Coordinator, Instructional Computing & Computer Institute
City/Zip : Sanford, FL 32771
Phone: (305) 323-1450 Ext. 268
Suncom 390-1011

Brief description (instructional, administrative uses of technology):

Administrative uses of microcomputer technology include Financial Aid, Job Placement, Testing, Counseling, Institutional Analysis, and Cooperative Education. The AV Department uses an Apple IIe to schedule and inventory AV hardware and software. The Library uses a Burroughs B-25 for a circulation system. B-25 microcomputers are also used in the Business and Registration areas. The B-25 is able to communicate with the Burroughs mainframe. The Bookstore is implementing a computer system in 1986.

Three word processing centers service the general college, Student Development, SPD, and faculty needs. Main applications for the faculty include course objectives, handouts, tests, laboratory manuals, and competency-based learning guides. The Student Government Association uses a TRS-80 microcomputer in the cafeteria for displaying announcements. The Fine and Performing Arts department utilizes an Apple for maintaining a catalog of their record albums. The CORE learning resource center is using TRS-80 microcomputers for student management purposes and CAI. CORE also has an interactive videodisc system using an IBM-PC.

Insturctional areas using microcomputer(s) include Social Science, Mathematics, Chemistry, Physics, Nursing, Respiratory Therapy, Business, Accounting Business Education, Medical Records, Health & P.E., Electronics Technology Drafting (CAD/CAM), Automotive Services, Psychology, and Adult and Continuing Education. The Adult and Continuing Education also operate a PLATO center on the college campus for developmental purposes. The Instructional Computer Center has two DEC minicomputers, seven TRS-80s, two Apple IIs and one Mackintosh. The Management and Computer Institute utilizes two IBM labs and "borrows" two Apple labs to provide instruction in computer literacy, BASIC & LOGO programming and applications software, such as AppleWorks, Lotus 1-2-3, d-Base II, and WordStar.Programming courses are offered through the Informatio Processing Department.

The English department was instrumental in establishing the Writing Center, a large Apple IIe microcomputer lab that is unique because each computer has its own printer and is used primarily for word processing. An English credit course using word processing as an integral part of the writing process is housed here. English instructors also frequently individualize their courses by assigning different students to specific CAI software in the center. Our students use the microcomputers in this center to produce written assignments for courses in nearly all disciplines.

The mathematics, science and computer education areas have established an academic Apple IIe microcomputer classroom/lab. Faculty in all disciplines may schedule one or more class meetings in this facility so that their students may use software pertinent to their coursework under their instructor's supervision. An electrohome projector is used in the lab.

Community College

Community College : Valencia Community College
Name of Contact : Dr. Donna A. Nickel
Title : Director of Staff & Program Development/Title III
Address : P.O. Box 3028
Orlando, FL 32802
City/Zip : 32802
Phone: (305) 299-5000
Suncom

Brief description (instructional, administrative uses of technology):

Valencia Community College has a faculty computer Center on East and West Campus. Faculty use the facilities to do routine work and for software design. Release time for computer literacy and/or courseware design is given thru Title III or SPD. Programs which have been developed include: Interactive programs created for travel vocabulary for three languages; orientation of Nursing I students to computers using "Apple presents Apple" and "Apple Writer" for word processing; "Dosage Calculations for Health Professionals" for NUR 1022; textbook review and reinforcement C.A.I. material using "Genis" software; and Humanities - class materials with Easy Writer.

Basic Skills computer labs are available for students. In addition, students can use these labs for word processing or to complete assignments in any discipline.

Data Processing labs are centers for programming courses (Basic, Cobol and FORTRAN) and they are open labs for student use.

The Natural Science labs (10) have been equipped with micros. These are used in analysis of experimental data and for simulated experiments.

Student Services staff are assisted by CRT's used to access on-line transcript information for counseling and academic advisement. This information can be printed on a printer located in the Counseling Office. An IBM PC is used to input student test scores, demographic information and the name of the counselor/advisor seen. PFS: File and PFS: Report are the software packages used. This information can be used to generate local reports for accountability and student monitoring.
An Apple computer is used in the Handicapped Student Services area to input student data needed to prepare grant reports.

A Computer Aided Drafting/Design (CADD) lab supports all theory and lecture courses relating to drafting in the Architectural, Civil, Mechanical, Electronics, Graphics, and Surveying Programs.

Additional computer classrooms for group instruction in all disciplines are planned for 1985-86.

EDUCATIONAL COMPUTING ACTIVITIES

University

UNIVERSITY	:	BARRY UNIVERSITY
NAME/TITLE OF CONTACT	:	DR. ROBERT L. BURKE, DEAN SCHOOL OF COMPUTER SCIENCE JOEL S. LEVINE, Ed.S. COORDINATOR OF COMPUTER EDUCATION
ADDRESS	:	SCHOOL OF COMPUTER SCIENCE 11300 N.E. SECOND AVE. MIAMI SHORES, FLORIDA 33161
TELEPHONE	:	(305) 758-3392 EXT. 338

DESCRIPTION OF ACTIVITIES

The School of Computer Science at Barry University offers several degree programs. Our programs include a Bachelor's Degree in Computer Science, Computer Data Processing, Office Automation, and a Master's Degree and Specialist Degree in Computer Education. The role of computers in Education is one of our most outstanding concerns. Therefore, our Computer Education Department is one of the most vital departments in our School of Computer Science. We offer a wide variety of non-credit and credit courses. Over 500 educators are currently enrolled in the graduate programs and over 3,000 educators have taken non-credit (TEC) courses from us during the past year. We have an abundance of equipment, software and other materials that are used in conjunction with a wide variety of courses and projects.

HARDWARE. We currently have 210 microcomputers in eight different computer labs, for instructional use.

92	IBM/PC	20	ATARI 800
35	APPLE II+	20	TI 99/A
49	APPLE IIe	4	CDC 110 Micro PLATO

CREDIT COURSES. Over sixty graduate computer courses are offered to educators. These courses can lead to a Masters or Specialist Degree in Computer Education (36 credit hours). Special program enhancements also include courses for trainers and courseware developers.

NON-CREDIT COURSES. Various workshops are offered for educators in South Florida. The majority of these workshops are offered in conjunction with the Teacher Education Centers (TEC) of Dade and Broward Counties.

RESEARCH PROJECTS. Staff members and graduate students are continuously involved in the use of current technology and the development of new technology for the purpose of computer interfacing, programming and courseware development.

SPECIAL PROJECTS. The Computer Education Department participates in many projects/presentations that involve public schools, private schools, universities, businesses, software producers, and hardware producers. Most recently we were involved in the IBM/ETS Computer Project. We were selected as a Teacher Training Institute (TTI) for ten high schools which were each given 15 IBM/PC microcomputers. Another special project is the development of new courses. We are currently offering various PASCAL courses including AP PASCAL workshops for high school teachers. Special projects also include presentations and demonstrations such as our annual Software Fair for Educators. Major educational software producers demonstrate their products to educators who carefully evaluate them.

COMPUTER LIBRARY. We are always actively involved in the development of a comprehensive computer library. This library promotes research and development, and provides an environment for relevant learning in the courses offered in quality graduate computer programs. We currently have over 135 computer periodicals as well as a large collection of specialized computer books. In addtion we have a special section of resource guides which list and/or contain software evaluations for most disciplines. Our library is open to anyone.

University

University : Florida Institute of Technology
Name of Contact : Dr. Robert H. Fronk
Title : Head, Computer Education Department
Address : 150 West University Boulevard
City/Zip : Melbourne, FL 32901-6988
Phone: (305) 768-8126
Suncom

Brief description (instructional, administrative uses of technology):

F.I.T. offers a graduate program specifically designed for educators interested in microcomputers. The program leads to a Master's Degree and is administered by the Computer Education Department.

The curriculum is designed for students with minimal knowledge of computers. For students with no background in computers, an introductory college course, a continuing education or adult education course, or some other introductory program teaching BASIC should be taken. Up to 18 graduate quarter hours of appropriate credit may be transferred from another institution.

The Master's Degree in Computer Education may be earned either on a full-time or part-time basis. All courses are available in the late afternoon or evening. Full-time students can normally complete the degree in a minimum of four quarters. Students may select either a thesis or non-thesis option. Programming in BASIC, Pascal, Pilot, and Logo are covered.

The goal of the program is to enable a teacher to: 1) Teach introductory computer science, computer literacy, and programming; 2) Use microcomputers in a wide variety of settings in a school, and; 3) Evaluate and create educational software materials.

The University also offers Bachelor's degree programs in computer science and computer engineering and a Master's degree program in computer science.

The University maintains three separate computer facilities dedicated to student use. One is the Evans Library Microcomputer Center which houses 70 microcomputers (IBM PC, Apple IIe, Dec Rainbow, TRS 80). These are available during library hours to all students. The second facility is built around an 80-port VAX mini-computer. The VAX is used for specific courses and supports four student and one faculty dialup lines. The third facility is a Macintosh lab with 11 computers. This is used by engineering and computer education students. The University owns over 300 separate software packages for student use and gives students full use and copy priviledge to over 200 more public domain packages. The Resource Center of the Computer Education Department houses the major periodicals for computer education.

University

University	:	North Florida	
Name of Contact	:	Lance Taylor	
Title	:	Director	
Address	:	Computing Services	
		4567 St. Johns Bluff Rd. S.	Phone: (904) 646-2820
City/Zip	:	Jacksonville, Florida	Suncom 661-2820

Brief description (instructional, administrative uses of technology):

The University of North Florida offers a Bachelor of Science Degree in Computer and Information Sciences with tracks in Computer Science, Information Science, and Information Systems. The College of Arts and Sciences also offers a masters degree in Mathematical Sciences with a computer science option (course-work taught by the Division of Computer and Information Sciences). Each of the three colleges and divisions offer courses that provide applications of computer science to the respective disciplines.

Faculty in the Division of Computer and Information Sciences have research interests in computer science education, distributed processing, computer architecture, office automation, artificial intelligence and expert systems, systems analysis and design, software engineering, computer graphics, parallel processing, and nursing diagnoses. The Division expects to have a Master of Science degree with tracks in Computer Science and Information Systems approved for fall 1986 implementation.

Faculty in all disciplines use word processing, automated test scoring, statistical packages, and other software in their individual research, teaching and service.

Administrative support in the areas of data management, storage and retrieval, and centralized word processing is provided in the following areas: student records, financial systems, library systems, student financial aid, student housing, payroll, personnel records, and budget systems.

Academic computing at the University is supported with the following hardware: an IBM 4341 with over 100 terminals, two microcomputer laboratories, N.E.R.D.C. and numerous distributed microcomputers. Administrative computing is supported by N.E.R.D.C. an IBM 5520 word processor, an IBM SCANMASTER, and numerous microcomputers.

In addition, there will soon be a network of UNIX based machines that is dedicated solely to teaching and research in the sciences and which will significantly alter the composition of certain courses in the curriculum in the Division of Computer and Information Sciences.

University	: University of South Florida
Name of Contact	: Dr. Andria Troutman
Title	: Director, FCIC
Address	: College of Education, EDU 303 USF
City/Zip	: Tampa, FL 33620

Other Contacts: **University**

Mr. Ed Fisher, Cmptr. Svcs.
Dr. Joe Mazur, Instr. Comp.
Dr. E.C. Foudriat, Computer Sci. & Eng.

Phone: (813) 974-3470
Suncom 574-3470

Brief description (instructional, administrative uses of technology):

The Florida Center for Instructional Computing (FCIC), a part of the College of Education, is located at the University of South Florida in Tampa. It is a self-supporting non-profit Center dedicated to providing education, information, and services related to administrative, instructional, and recreational computing.

The Center offers professional development and consultant services on a variety of popular computing topics. Standard seminars developed by FCIC staff are available and a catalog describing these can be obtained by writing or calling. These seminars cover a wide range of topics from introductory microcomputer concepts to advanced applications of spreadsheets and telecommunication concepts. These offerings can be tailored to meet specific needs and we can plan with you to design unique programs. Some areas we specialize in are: making appropriate selection and use of software tools, reviewing software, choosing hardware to meet specific needs, using the disk operating system efficiently, establishing systems for telecommunication, using generic software tools to design instructional materials, and matching instructional objectives to available software. We provide training on a variety of microcomputers: Apple, Commodore, IBM and Radio Shack. Our staff will provide services at our location or at a location designated by you. Services are available either through Teacher Education Center hours or direct contract. The FCIC also has a wide variety of materials developed for instruction including booklets and programs. For a detailed listing of workshops and materials available through FCIC call (813) 974-3470 or write for a current list of titles.

As well as providing consultant services, the center has created and manages a software review database that is maintained on The Florida Information Resource Network (FIRN). This database contains hundreds of reviews of software for a variety of microcomputers. The database can be accessed without cost through FIRN. A hardcopy of this database is available at the FICI for cost of reproduction.

FCIC annually organizes the statewide High School BASIC Computer Programming Contest. Winners of local competitions held under FCIC aegis compete with teams throughout the state.

USF offers both M.Ed. and Ph.D. programs in Curriculum and Instruction with emphasis in Instructional Computing.

The College of Engineering offers a Bachelor of Science in Computer Engineering and a Bachelor of Science in Computer Science. A master of Science as well as a Ph.D. program is also available in both areas.

The University Computing Center provides administrative services for the university such as scheduling and student records. In addition, the mainframe is used by students for programming in Fortran, COBOL, etc.

Department of Education

Office	: Bureau of Curriculum Services, Program Assistance Section	
Name of Contact	: Peter Lenkway	
Title	: Computer Education Consultant	
Address	: Department of Education Knott Building	Phone: (904) 488-1701
City/Zip	: Tallahassee, Florida 32301	Suncom 278-1701

Educational Level :

Brief Description (instructional and administrative support of technology):

This position is primarily responsible for providing assistance to districts regarding the curriculum aspects of computers in the classroom. This includes:

- Providing assistance to districts in their development and implementation of a computer education curriculum.
- Providing assistance to districts in developing and implementing computer education inservice programs.
- Providing specific subject area information on computer assisted instruction through subject area consultants.
- Assisting in the development and implementation of the minimum student performance standards in computer literacy.
- Assisting in the development and implementation of curriculum frameworks in computer education.
- Assisting districts in the development and implementation of student performance standards in computer education.
- Assisting in the instructional materials adoption process for computer education.

Department of Education

Office - Bureau of Education for Exceptional Students (BEES)

Name/Title of Contact - Doris B. Nabi, Administrator, Program Services

Address - Knott Building

Phone - (904) 488-1712 Suncom: 278-1712

Description of Activities/Services: Major educational technology initiatives of the Bureau include:

SpecialNet Electronic Communication/Information System. SpecialNet is a national computer-based communication/information system which has enabled Florida users to communicate via electronic mail and provides access to a variety of state and national electronic bulletin boards.

Exceptional Student Education (ESE) Management Services Project (Hillsborough). This project provides support services to district exceptional student education programs statewide in improving management systems and procedures including the integration of technology.

FDLRS Network Media/Management System (Collier). Installed in the eighteen (18) Florida Diagnostic and Learning Resources System (FDLRS) Associate Centers, this system provides Centers with automated capabilities which enable improved management of service delivery.

FDLRS Instructional Technology Resource Center/Coordinating Unit and Center Capacity-Building Grants. These grants support the effective integration of instructional technology in the education of exceptional students through establishment of a statewide resource center/coordinating unit, FDLRS/TECH (Brevard), and direct-service capabilities in each of the FDLRS Associate Centers.

Challenge Grants for the Gifted. Three (3) of the 1984 Challenge Grant programs, (Escambia, Highlands, and St. Lucie), funded through General Revenue, utilize technology to develop innovative programs for gifted students.

Special Projects for Technological Applications in ESE. The following EHA VI-B and other projects also incorporate educational technology applications for ESE:

*-Alternative Delivery Systems for Homebound/Hospitalized Students (Duval)
-CAISH: Computer Assisted Instruction and Support for the Handicapped (Sarasota)
-Communication Systems Evaluation Center for Non-Vocal Exceptional Students (Orange)
*-CALC: Computer Assisted Learning for Children (Leon)
-Computeronics (Leon)
*-Electronic Communication Services for Visually Impaired Students (Broward)
-ESIMACS: ESE Instructional Materials Acquisition and Control System (Florida Instructional Materials Center for the Visually Handicapped - Hillsborough)
-FDLRS Abstracting Project (Palm Beach)
*-Least Restrictive Environment for the Physically Handicapped (Pinellas)
-RECIPE: Research Exchange for Computerized Individualized Programs of Education (Sarasota)

Additional information about each of the initiatives or projects described above is provided in "Computer Applications in Exceptional Student Education," a document available from the Clearinghouse/Information Center, BEES, Knott Building, Tallahassee, 32301 (904/488-1879; Suncom; 278-1879; SpecialNet: BEESPS).

*Although project has terminated, information appropriate to use of project outcomes is available.

Department of Education

Office : Educational Technology

Name of Contact : David L. Brittain
Title : Administrator
Address : Knott Building

City/Zip : Tallahassee, FL 32301

Phone: (904) 488-0980
Suncom 278-0980

The Educational Technology Section (ETS) plans and coordinates Florida's use of technology to improve education. Instructional and administrative computing support includes:

- Florida Information Resource Network (FIRN), a multi-vendor electronic network designed to provide a data communications link to every public education institution and school in the state;
- Microcomputer contact to purchase microcomputer systems at a discounted price from approved vendors;
- Technical assistance with computer needs, bid specifications, management information systems and data communications;
- Hardware/software approvals for purchases over $6000 within a 12-month period;
- Information dissemination through the Ed Tech News, the DOE Electronic Bulletin Board and computing consortia meetings;
- Membership in the Minnesota Educational Computing Corporation (MECC), through which courseware may be purchased at reduced prices.

INSTRUCTIONAL COMPUTING:

ETS helps answer questions like, "Who's doing what educationally with computers?" through a network of computing contacts in each district, college and university. Each contact maintains a FIRN account to access electronic mail and bulletin boards.

Three (IC) Centers are funded by the DOE. The Florida Center for Instructional Computing at the University of South Florida focuses on software evaluations and telecommunications; the University of Central Florida focuses on software evaluations and telecommunications; the University of Central Florida center provides information on computer literacy; and the Broward County Staff Development Center focuses on training.

ADMINISTRATIVE COMPUTING:

ETS supports automated reporting to DOE of data for FTE Student Counts, Program Cost Reports, Vocational Education, and related database reporting activities. Technical assistance is provided directly by ETS and through FIRN Service Units throughout the state.

For more information:

David Brittain, Administrator
Bill Clay, FIRN Network
Terry Dickinson, FIRN Applications
Jill Draper, Ed Tech News
Bill Muldrow, Communications
Lew Nall, Instructional Computing
Beatrice Smith, FIRN Projects
Francis Watson, Systems Consultant

Department of Education

Office : Instructional Television & Radio and Publications Distribution

Name of Contact : Jack Binns, Administrator
Title : Michael Kuhn, Instructional Programming Coordinator
Address : Gilbert Jaeger, Engineering Services
Room B-10 Collins Building
City/Zip : 107 West Gaines Street
Tallahassee, FL 32301

Phone: (904) 488-7101
Suncom 278-7101

Educational Level:

Brief Description (instructional and administrative support of technology):

1. Consultative services in management, programming, and technical matters relating to Instructional Television & Radio

2. Source for many publications of the Florida Department of Education. A listing is available upon request,

3. FLORIDA INSTRUCTIONAL TECHNOLOGY SERVICES:
A source for instructional materials for television and computers for all State tax supported institutions in the State of Florida. Materials are available for loan or for copying onto user owned tape.

   Materials are recommended for acquisition by local educators, reviewed by Department Curriculum people and distributed through the local school district, college or university ITV&R Contact person.

   At present there are over 200 program series available in this library covering almost all grade levels and content areas. Included among these are over college credit courses.

   A copy of the FLORIDA INSTRUCTIONAL TECHNOLOGY SERVICES HANDBOOK is available in every county, college, and university for selection of materials and a guide to all the services of the section.

4. Selected acquisitions for 1985 - 86
Solutions Unlimited - A series to teach problem solving skills to middle school students using video and microcomputer software.

   High Frequency Vocabulary - Eight disks in both Apple and Radio Shack formats to teach vocabulary at grades 2-8. An option allows the teacher to enter additional stories and/or vocabulary words.

   Industrial Microcomputing - An extensive series of 41 programs produced by the Lawrence Livermore Laboratories in California to teach the fundamentals of microcomputers as they apply to industrial systems.

Client: All State tax supported institutions in Florida.

For more information: See your local ITV Contact Person or contact this office at the above address.

Department of Education

Office : Management Information Services
Division of Public Schools
Name of Contact : Chase Crawford or Charles Proctor
Title : Administrative Microcomputer Specialists
Address : Florida Department of Education
Knott Building, Rooms 214 and 269 Phone: (904) 487-2280
City/Zip : Tallahassee, FL 32301 Suncom 277-2280

Educational Level : K - 12

Brief Description (instructional and administrative support of technology):

The Management Information Services Section provides the following administrative microcomputing workshops and services:

1. Computer Literacy in-service workshops of 12 hours duration are offered in alternate months for beginners. Call Mrs. Pat Kent at (904) 487-2280 to register.

2. Administrative Uses of the Microcomputer institutes of 12 hours duration are offered in alternate months by the Florida Academy for School Leaders for beginners. Contact FASL at (904) 488-5148 to register.

3. PC/MS DOS in-service workshops of 3 hours duration are offered in alternate months for beginners with IBM PC or PC compatible microcomputers. Call Mrs. Pat Kent at (904) 487-2280 to register.

4. Data Base Management in-service workshops of 20 hours duration are offered in alternate months for the user of a microcomputer who wishes to learn some advanced skills in managing data files. Call Mrs. Pat Kent at (904) 487-2280 to register.

5. Technical assistance is available on a variety of data management, spreadsheet, word processing, graphing, communications, and other administrative software for the following hardware: Apple II+, IIc, IIe, & Macintosh; Commodore 64, PET, & 8032; IBM PCjr, PC, & PC/XT; Tandy 1000, 1200, & 2000; TRS-80 Models 4, 12, 100, & Color Computer; and Xerox 16/8 & 6064.

6. Information about the brands of microcomputers being used and the uses being made of microcomputers is available for all of Florida's public schools for both instructional and administrative purposes.

7. Approvals for school districts for hardware/software purchases exceeding $6000 are processed by Mrs. Jackie Mueller.

8. Assistance is provided in preparing specifications for and evaluating vendors' bids for the state microcomputer contract.

9. Assistance is provided for the Florida Instructional Computing Conference.

Department of Education

Office	:	Public Schools Resource Center
Name of Contact	:	Dr. Ralph G. Vedros
Title	:	Director
Address	:	Florida Department of Education Knott Building
City/Zip	:	Public Schools Resource Center Tallahassee, Florida 32301
Educational Level	:	K-12

Phone: (904) 487-1078
Suncom 277-1078

Brief Description (instructional and administrative support of technology):

Center provides access to research information on use of technology in instructional applications.

Center provides technical assistance in the adoption of exemplary technological programs for use in Florida schools.

Department of Education

Office : - Strategy Planning and Management Information Systems

Name of Contact :

Title : - Michelle French or Fred Daniel

Address : Knott Building

City/Zip : Tallahassee, Florida

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Educational Level : - All Levels

Brief Description (instructional and administrative support of technology):

Description of Activities/Services

This office manages FIRNCOM, an electronic communications service available to Florida educators. FIRNCOM, provides an electronic mail system for private messages, and an online files system for access to larger documents. FIRNCOM can be used by educators with microcomputers/terminals/word processors attached to telephone modems or with terminals attached to SUS regional data centers or other FIRN hosts. Local dialup access is available in eleven Florida cities, as well as a toll free number.

The first component of FIRNCOM--the DOE Electronic Bulletin Board--makes public bulletins instantly available. The bulletins are posted at the Southeast Regional Data Center in Miami and are available to any person who signs on FIRNCOM.

With the second component--electronic mail--private messages can be sent to other individuals registered on the system. Messages can also be posted to the bulletin board (and thus be made available publicly). A message can also be sent to several persons on a distribution list. Messages are available instantly; when a message recipient signs on, a notice that a message is waiting appears.

The third component--online files--makes more lengthy documents available. These are documents such as regulations, directories, catalogs, or data files which would normally be used for reference. Simple search commands allow the reader to go to a specific line of interest, without having to page through the entire text. Searches are based on a keyword technique, with any word in the document usable as a keyword.

To use FIRNCOM, it is necessary to open an account at the Southeast Regional Data Center. There is no initiation charge or overhead charge for an account; users are billed only for actual usage. For persons who do not have an account, a public account is available which provides access to the DOE Electronic Bulletin Board (but not to electronic mail or online files).

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Broward	Don Barrs FDLRS/Reach 1005 E. Broward Blvd. Ft. Lauderdale, FL 33301 305/765-6657 or 765-6017 Special Net: FDLRS17
Dade, Monroe	Eydie Sloane FDLRS/South 9220 S.W. 52nd Terrace Miami, FL 33165 305/274-3501 Special Net: FDLRS18